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PLASMA TV

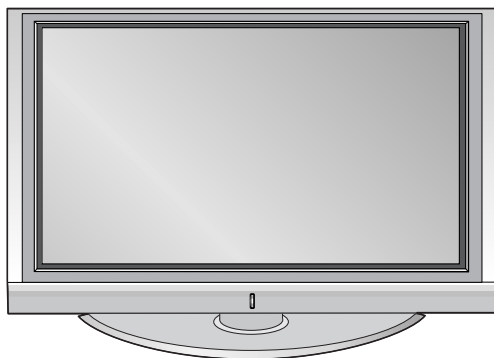
SERVICE MANUAL

CHASSIS : PA-61A

MODEL : 50PC1DRA 50PC1DRA-UA
50PC1DR 50PC1DR-UA

CAUTION

BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by \triangle in the Schematic Diagram and Replacement Parts List. It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards. Do not modify the original design without permission of manufacturer.

General Guidance

An **Isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and its components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the same specified type.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between $1M\Omega$ and $5.2M\Omega$.

When the exposed metal has no return path to the chassis the reading must be infinite.

An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.

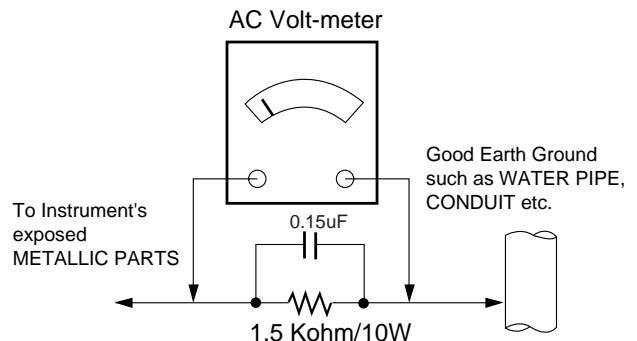
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which corresponds to 0.5mA.

In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



CANADA: LG Electronics Canada, Inc. 550 Matheson
Boulevard East Mississauga, Ontario L4Z 4G3

USA : LG Customer Interactive Center
P.O.Box 240007, 201 James Record Road Huntsville,
AL 35824
Digital TV Hotline 1-800-243-0000

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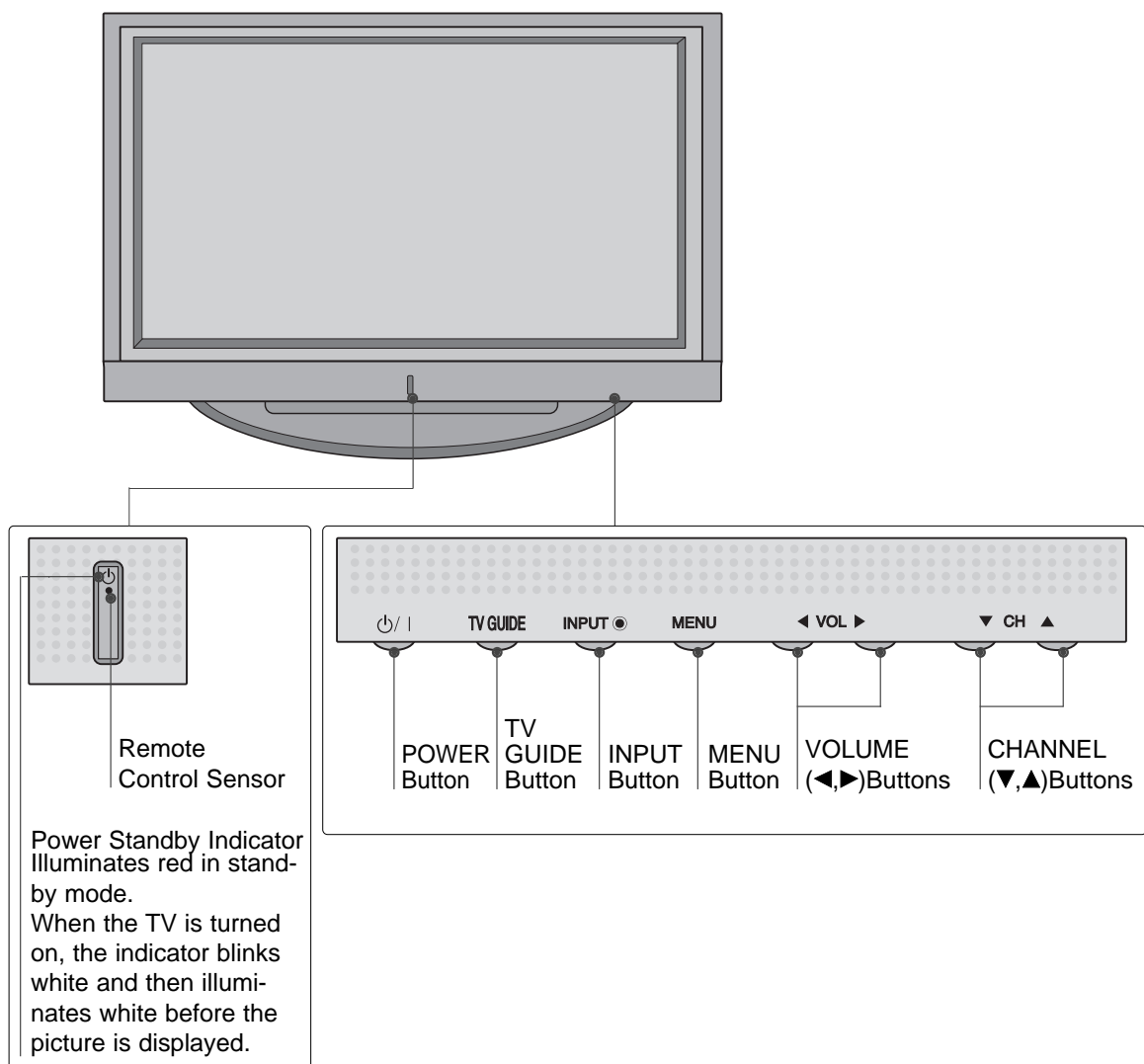
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DESCRIPTION OF CONTROLS

CONTROLS

This is a representation of the front panel of models 50PC1DR, 50PC1DRA series TVs.
Here shown may be some what different from your TV.

Front Panel Controls

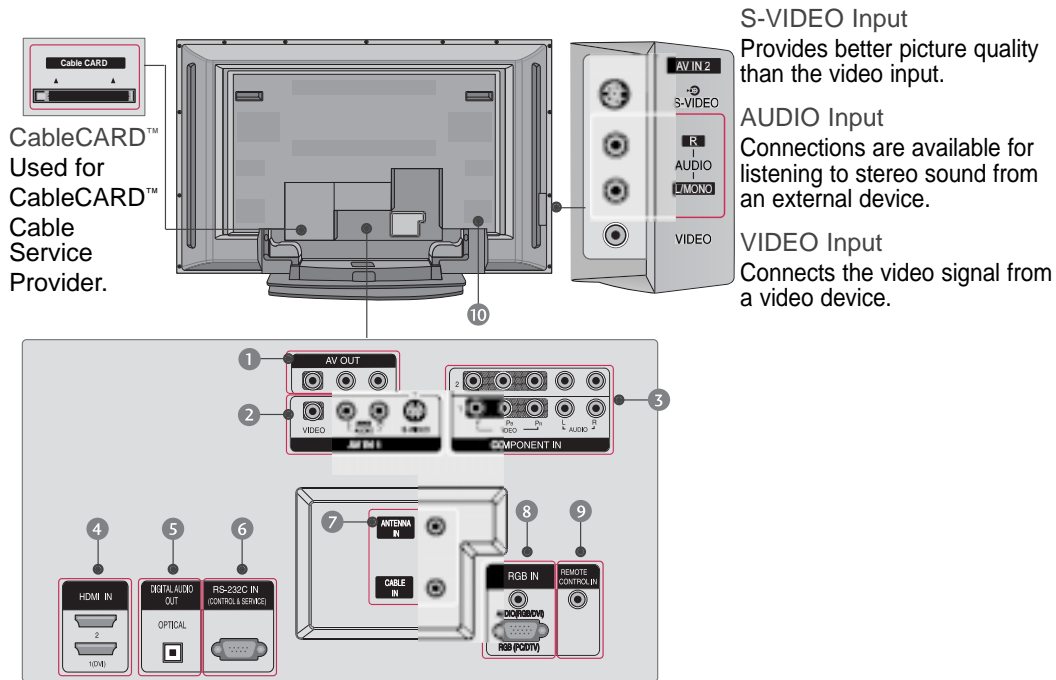


DESCRIPTION OF CONTROLS

CONNECTION OPTIONS

This is the back panel of models 50PC1DR, 50PC1DRA series TVs.

Back Connection Panel



- 1 AV OUT
Connect a second TV or monitor.
- 2 AV (Audio/Video) IN 1
Connect audio/video output from an external device to these jacks.
S-VIDEO
Connect S-Video out from an S-VIDEO device.
- 3 COMPONENT IN
Connect a component video/audio device to these jacks.
- 4 HDMI IN
Connect a HDMI signal to 1(DVI) or 2.
Or DVI(VIDEO)signal to the 1(DVI) port with a DVI to HDMI cable.
- 5 DIGITAL AUDIO OUT
Connect digital audio from various types of equipment.
Note: In standby mode, these ports do not work.
- 6 RS-232C IN (CONTROL & SERVICE) PORT
Connect to the RS-232C port on a PC.
- 7 ANTENNA IN
Connect over-the air signals to this jack.
CABLE IN
Connect cable signals to this jack.
- 8 RGB/AUDIO IN
Connect the monitor output from a PC to the appropriate input port.
- 9 Remote Control Port
Connect your wired remote control.
- 10 Power Cord Socket
For operation with AC power.
Caution :
Never attempt to operate the TV on DC power.

DESCRIPTION OF CONTROLS

REMOTE CONTROL KEY FUNCTIONS

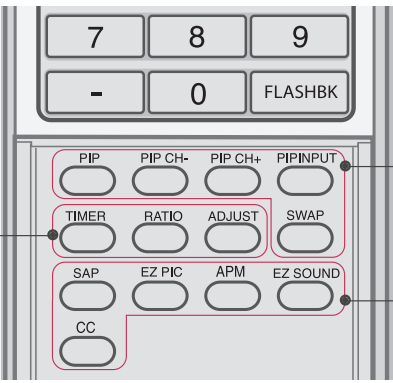
When using the remote control, aim it at the remote control sensor on the TV.

<p>MODE Select the remote operating mode: TV, DVD, VCR, AUDIO, CABLE or STB.</p> <p>XSTUDIO^{PRO} mode control buttons Use for DVR record or trick play. Controls the XSTUDIO^{PRO} mode. For further details, see the DVR section.</p> <p>VCR/DVD buttons Control video cassette recorders or DVD players.</p> <p>DAY+/DAY- Move the Listings Grid forward or backward in 24 hour increments.</p>	<p>MENU Displays the main menu. Enters or exits a Panel Menu in the TV Guide On Screen system.</p> <p>TV GUIDE Displays the TV Guide On Screen system.</p> <p>XSTUDIO^{PRO} Enter to the XSTUDIO^{PRO} mode.</p>	<p>THUMBSTICK (Up/Down/Left Right/ENTER) Navigate the on-screen menus and adjust the system settings to your preference.</p> <p>EXIT Clear all on-screen displays and return to TV viewing from any menu.</p> <p>REC LIST Display the thumbnail recorded list.</p> <p>MARK Enter the selected functions.</p> <p>INFO Display information at the top of the screen.</p>	<p>VOLUME UP/DOWN Increase/decrease the sound level.</p> <p>MUTE Switch the sound on or off.</p> <p>FAV Scroll through the programmed Favorite channels.</p> <p>CHANNEL UP/DOWN Select available channels.</p> <p>PAGE UP/PAGE DOWN Move from one full set of screen information to the next one.</p> <p>NUMBER button</p> <p>FLASHBK Tune to the last channel viewed.</p> <p>— (DASH) Used to enter a program number for multiple program channels such as 2-1, 2-2, etc.</p>	
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DESCRIPTION OF CONTROLS

- POWER** Turns your TV or any other programmed equipment on or off, depending on the mode.
- LIVE TV** In AV 1-2, Component 1-2, RGB-DTV (or RGB-PC), HDMI1/DVI, and HDMI2 input sources, screen returns to the last TV channel.
- INPUT** External input modes rotate in regular sequence: Antenna, Cable, AV1-2, Component 1-2, RGB-DTV (or RGB-PC), HDMI1/DVI and HDMI2 (AV 1-2, Component 1-2, RGB-DTV (or RGB-PC), HDMI1/DVI, and HDMI2 input sources are linked automatically, only if these are connected).

Inside the Sliding Cover



The diagram shows a control panel with the following buttons and functions:

- 7, 8, 9, -, 0, FLASHBK**: Standard numeric and function buttons at the top.
- PIP**: Switches the sub picture PIP, POP, Twin picture or off mode.
- PIP CH- / PIP CH+**: Changes the PIP channel.
- PIP INPUT**: Select the connected input source for the sub-picture.
- TIMER**: Select the amount of time before your TV turns off automatically.
- RATIO**: Change the aspect ratio.
- ADJUST**: Adjust the screen position, size, and phase in PC mode.
- SWAP**: Exchange the main/sub images.
- SAP**: Select MTS sound: Mono, Stereo, and SAP analog mode. Change the audio language DTV mode.
- EZ PIC**: Adjust the factory preset picture depend on the viewing environment.
- APM**: Compare the Daylight, Normal, Night Time and User1(or2) on the screen.
- EZ SOUND**: Select the appropriate type of sound for type of program.
- CC**: Select closed caption. (*In DTV/CADTV modes)

SPECIFICATIONS

MODELS	50PC1DR / 50PC1DRA (50PC1DR-UA / 50PC1DRA-UA)	42LB1DR / 42LB1DRA (42LB1DR-UA / 42LB1DRA-UA)
With Stand: Width x Height x Depth (inches/mm) Weight (pounds/kg)	(51.3/1302.6)x(34.3/872)x(14/355.8) (117 / 53.1)	(46.3/1175.0)x(30.2/768)x(11.8/300) (90.4 / 41)
Without Stand: Width x Height x Depth (inches/mm) Weight (pounds/kg)	(51.3/1302.6)x(31.9/810)x(4.3/108.7) (97.7 / 44.3)	(46.3/1175.0)x(26.4/670)x(5.7/143.8) (71.4 / 32.4)
Resolution	1366 x 768 (Dot)	
Power requirement	AC100-240V ~50/60Hz	
Television System	NTSC-M, ATSC, 64 & 256 QAM	
Program Coverage	VHF 2-13, UHF 14-69, CATV 1-135, DTV 2-69, CADTV 1-135	
External Antenna Impedance	75 Ω	
Operating Temperature Range	32-104°F (0 ~ 40°C)	
Operating Humidity Range	Less than 80%	

The specifications shown above may be changed without prior notice for quality improvement.

ADJUSTMENT INSTRUCTIONS

1. Application Object

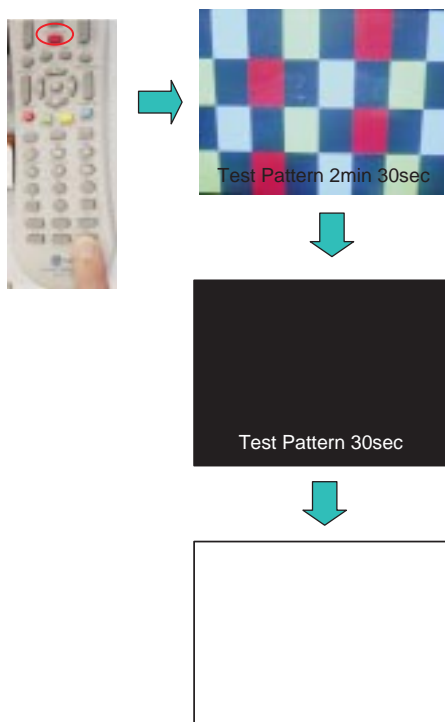
These instructions are applied to all of the PDP TV, PA61A.

If you turn on a still screen more than 20 minutes (Especially Digital pattern(13 CH), Cross Hatch Pattern), an afterimage may occur in the black level part of the screen.

2. Notes

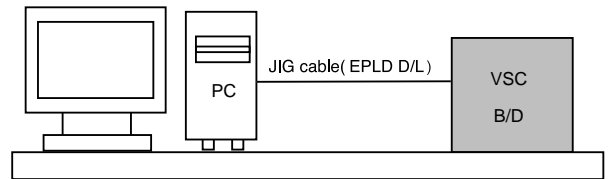
- (1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test equipment.
- (2) Adjustments must be done in the correct order.
- (3) The adjustments must be performed in the circumstance of $25\pm5^{\circ}\text{C}$ of temperature and $65\pm10\%$ of relative humidity if there is no specific designation.
- (4) The input voltage of the receiver be must kept 110V, 60Hz when adjusting.
- (5) The receiver must be operational for about 15 minutes prior to the adjustments.

- Preliminary action is applied to the test for afterimage discharge detection, and 100% FULL WHITE PATTERN must be operated automatically.
- Test for afterimage discharge detection
 - 1) After pressing Power Only key(only operating by pressing Power Only key), Full Test Pattern(2 min 30sec) --> Full Black Pattern(30sec) --> After this state, Full White Pattern is displayed.
(but you must preset the program for Full White State when you press the Main Power Off/On)
 - 2) Pattern Mode is deselected by pressing CH +/-, Exit Key.



* Set is activated HEAT-RUN without signal generator in this mode.

3. EPLD Download



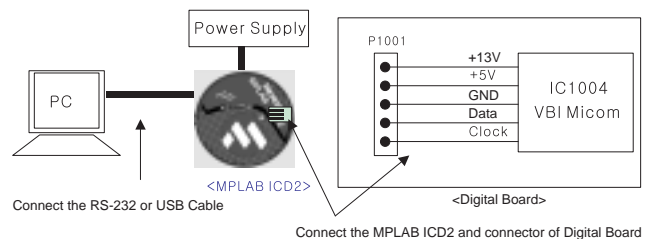
Connection Diagram of EPLD Download

- (1) Test Equipment: PC, Jig for download
- (2) Connect the power of VSC B/D.
- (3) Execute download program(iMPACK) of PC.
- (4) After executing the hot key on the Programmer, click icon
- (5) End after confirming

4. Gemstar VBI Micom Download

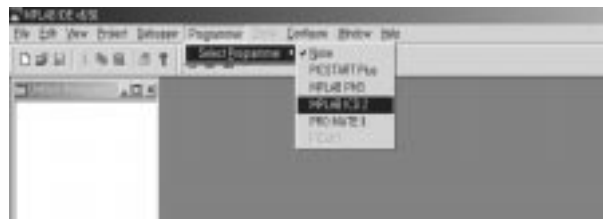
4-1. Preparation for Adjustment

- (1) As shown below, connect the MPLAB ICD2 equipment, PC and Digital Connector.
- (2) Turn on the MPLAB ICD2 POWER Supply.
- (3) After turn on the PC and MONITOR, select the 'MPLAB IDE' from the screen.



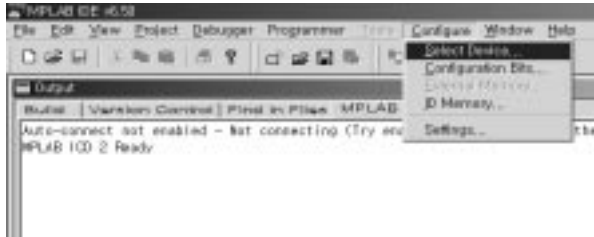
4-2. Adjustment Sequence

- (1) When the program is executed, select the MPLAB ICD2 from Programmer -> Select Programmer .

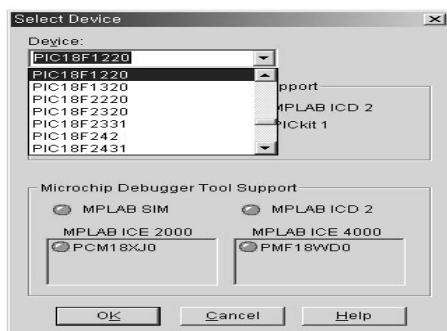


ADJUSTMENT INSTRUCTIONS

(2) Select "Configure -> Select Device".



(3) When the "Select Device" window appears, select the PIC18F1220 from "Device" and press OK.

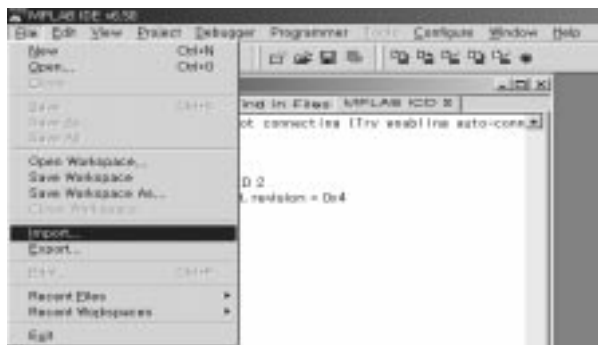


(4) Select "Programmer -> Connect".

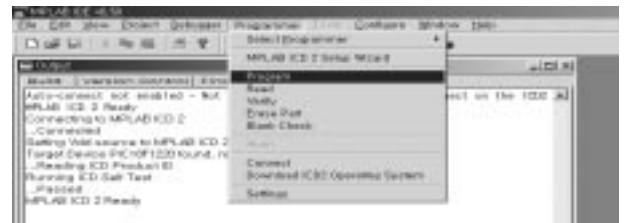


When connected with the Micom, the display message on the Output window appears as below.

(5) Select "File -> Import", select the Work HEX file and open.

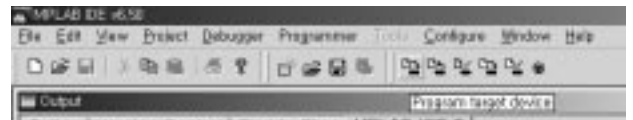


(6) Select "Programmer -> Program".



(7) Download is executed and about 5 seconds later, the "Programming succeeded" message is displayed on the Output window and the Download process is ended.

(8) The execution of process (6) is convenient when using the short-cut icon.



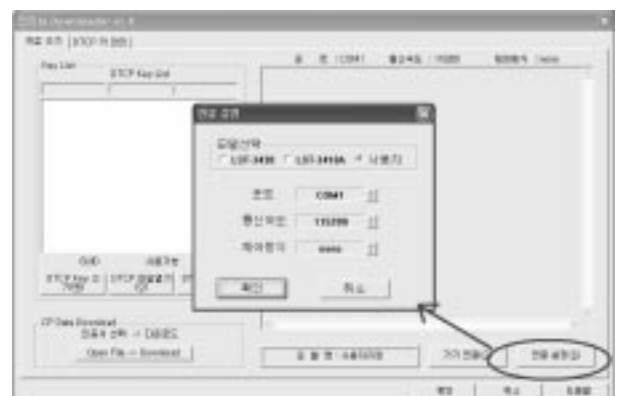
5. POD Certificate Download

5-1. Preparation for Adjustment

- (1) Connect the MEMORY JIG and PC.
- (2) Turn on the JIG MAIN POWER SWITCH.
- (3) After turn on the PC and MONITOR, execute the 'Certificate Downloader v1.4' from the screen.

5-2. Adjustment Sequence

- (1) After open the 'Certificate Downloader v1.4', enter Connection set and set the as same below.
The port settings are determined by each PC's setup.



ADJUSTMENT INSTRUCTIONS

- (2) Select 'Connection' and SET connected to RS-232C.
- (3) After clicking "Enter", confirm that "Enter Password:" appears.



- (4) Click the "OpenFile - Download" button from CP Data Download, 'select the Private Key' appears and click ENTER.



- (5) After clicking ENTER, the 'opens Private key' window appears and select the Private key applied to the SET. The Private Key file name is on the Label of the Digital Board.



- (6) When the Dialog window appears, click OK and the write work will begin.



- (7) When completed, click 'CP Data Download: OK'

- * When 'CP Data Download: OK' does not appear, certificate has not Download correctly. SET is rebooted and certificate Download work must be repeated.

6. Gemstar Operation Confirmation

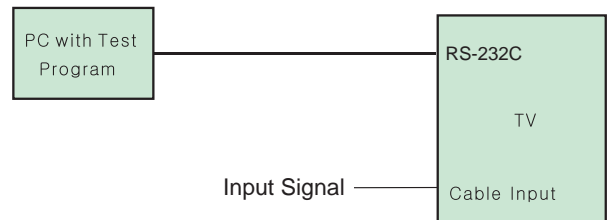
6-1. Required Test Equipment

- (1) PC with Factory Test Program
- (2) VBI Inserter (Norpak TES3) - Guide Data Discharge Equipment

- * In case of without the VBI Inserter(TES3), a VCR may be used.

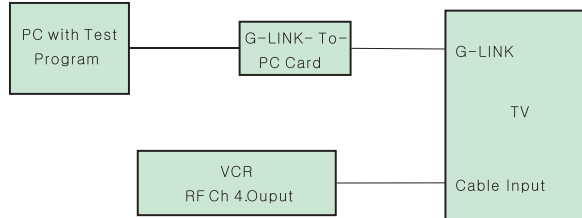
6-2. Preparation for Adjustments

- (1) In case of with VBI Inserter(TES3): Signal uses Cable input and set as below.



ADJUSTMENT INSTRUCTIONS

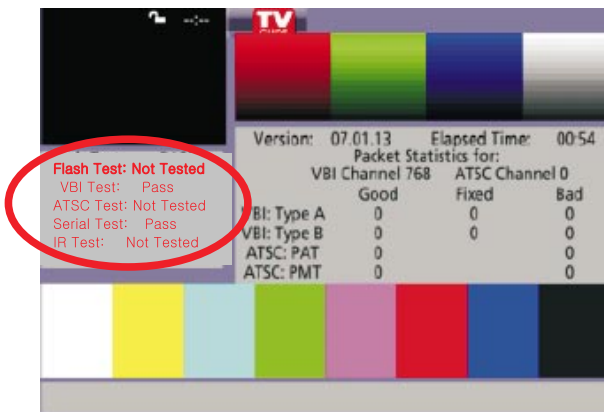
- (2) In case of without VBI Inserter(TES3): VCR uses Cable input and set as below.



* Factory Test S/W must be set to "GlinkTo PC Card" ON.

6-3. Adjustment Confirmation Work

- (1) Turn on the TV and run Factory Test Program of PC.
- * Program only needs to run once, regardless of set quantity.
- (2) Enter the EZ adjust menu by pressing Adjust on the Service Remote Control (S R/C).
- (3) Go to number 1 Gemstar and press Enter.
- (4) TV set screen will appear as shown.

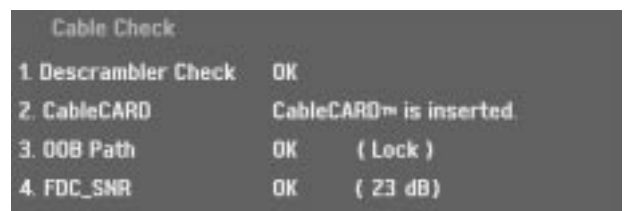


- (5) Confirm that VBI Test and Serial Test PASS from the screen.

7. Cable Operation Confirmation

- (1) Confirm that the Cable Card is inserted in the slot.
- (2) Enter the EZ adjust menu by pressing the Adjust key on the Service Remote Control (S R/C).
- (3) Go to number 2 Cable Check and press the Right key (►) .
- (4) Confirm items below.

Name	Normal	Defective
Descrambler Check	OK	Not OK
CableCARD	CableCARD™ is inserted.	CableCARD™ is removed.
OOB Path	OK(Lock)	Not OK(Unlock)
FDC_SNR	OK(20dB above)	Not OK(20dB under)
Video Signal	Normal Screen	Black Screen (No Picture)



ADJUSTMENT INSTRUCTIONS

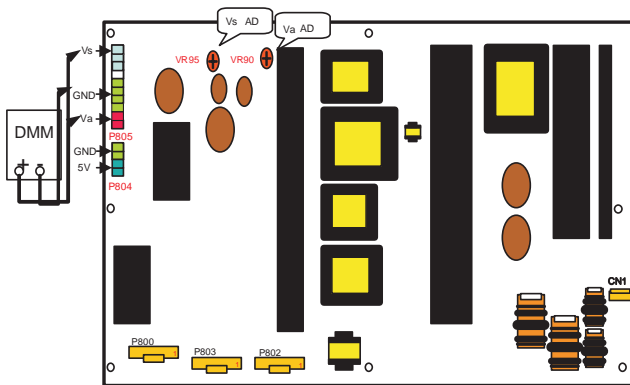
Each PCB Assy must be checked by Check JIG Set before assembly. (Especially, be careful Power PCB Assy which can cause Damage to the PDP Module.)

8. POWER PCB Assy Voltage Adjustment (Va, Vs Voltage Adjustment)

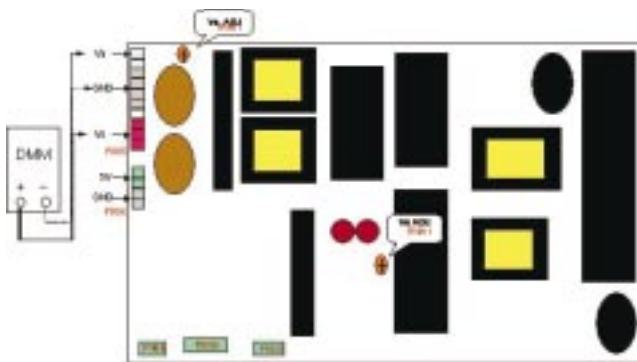
8-1. Test Equipment : D.M.M 1EA

8-2. Connection Diagram for Measuring

Refer to Fig 1.



<Fig. 1-1> Connection Diagram of Power Adjustment for Measuring (Power Board): 50"



<Fig. 1-2> Connection Diagram of Power Adjustment for Measuring (Power Board): 60"

8-3. Adjustment (50")

(1) Va Adjustment

- 1) Connect + terminal of D.M.M to Va pin of P805 and connect – terminal to GND pin of P805.
- 2) Adjust VR901 voltage to match that of the label on the Top/Right of the panel. (Deviation : $\pm 0.5V$)

(2) Vs Adjustment

- 1) Connect + terminal of D.M.M to Vs pin of P805 and connect – terminal to GND pin of P805.
- 2) Adjust VR951 voltage to match that of the label on the Top/Right of the panel. (Deviation : $\pm 0.5V$)

8-4. Adjustment (60")

(1) Va Adjustment

- 1) Connect + terminal of D.M.M to Va pin of P805 and connect – terminal to GND pin of P805.
- 2) Adjust RV501 voltage to match that of the label on the Top/Right of the panel. (Deviation : $\pm 0.5V$)

(2) Vs Adjustment

- 1) Connect + terminal of D.M.M to Vs pin of P805 and connect – terminal to GND pin of P805.
- 2) Adjust RV401 voltage to match that of the label on the Top/Right of the panel. (Deviation : $\pm 0.5V$)

9. EDID(The Extended Display Identification Data)/DDC (Display Data Channel) Download

This is the function that enables "Plug and Play".

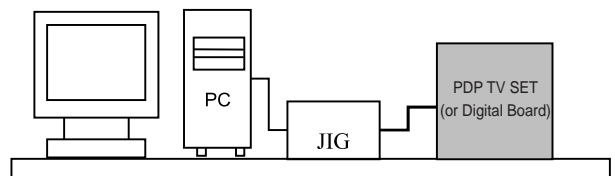
9-1. HDMI EDID Data Input

(1) Required Test Equipment

- 1) PC, Jig for adjusting DDC. (PC serial to D-sub Connection equipment)
- 2) S/W for writing DDC(EDID data write & read)
- 3) D-Sub cable
- 4) Jig for HDMI Cable connection

(2) Preparation for Adjustments & Setting of Device

- 1) Set devices as below and turn on the PC and JIG.
- 2) Open S/W for writing DDC (EDID data write & read). (operated in DOS mode)



<Fig. 2>

ADJUSTMENT INSTRUCTIONS

9-2. EDID DATA for PA-61A

- EDID for HDMI-1 (DDC (Display Data Channel) Data)

EDID table =

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		00	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01	01
10		00	10	01	03	80	73	41	96	0A	CF	74	A3	57	4C	B0
20		09	48	4C	2F	CE	00	31	40	45	40	61	40	01	01	01
30		01	01	01	01	01	01	66	21	50	B0	51	00	1B	30	40
40		36	00	C4	8E	21	00	00	1E	0E	1F	00	80	51	00	1E
50		40	80	37	00	C4	8E	21	00	00	1C	00	00	00	FD	00
60		4B	1F	3C	09	00	0A	20	20	20	20	20	20	00	00	FC
70		00	4C	47	20	54	56	0A	20	20	20	20	20	20	01	99

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		02	03	13	F1	44	84	05	03	02	23	15	07	50	65	03
10		00	10	00	01	1D	00	72	51	D0	1E	20	6E	28	55	00
20		8E	21	00	00	1E	01	1D	80	18	71	1C	16	20	58	2C
30		00	C4	8E	21	00	00	9E	8C	0A	D0	8A	20	E0	2D	10
40		3E	96	00	C4	8E	21	00	00	18	8C	0A	D0	8A	20	E0
50		10	10	3E	96	00	13	8E	21	00	00	18	00	00	00	00
60		00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
70		00	00	00	00	00	00	00	00	00	00	00	00	00	00	ED

- EDID for HDMI-2 (DDC (Display Data Channel) Data)

EDID table =

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		00	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01	01
10		00	10	01	03	80	73	41	96	0A	CF	74	A3	57	4C	B0
20		09	48	4C	2F	CE	00	31	40	45	40	61	40	01	01	01
30		01	01	01	01	01	01	66	21	50	B0	51	00	1B	30	40
40		36	00	C4	8E	21	00	00	1E	0E	1F	00	80	51	00	1E
50		40	80	37	00	C4	8E	21	00	00	1C	00	00	00	FC	00
60		47	20	54	56	0A	20	20	20	20	20	20	20	00	00	FD
70		00	38	4B	1F	3C	09	00	0A	20	20	20	20	20	01	99

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		02	03	13	F1	44	84	05	03	02	23	15	07	50	65	03
10		00	20	00	8C	0A	D0	8A	20	E0	2D	10	10	3E	96	00
20		8E	21	00	00	18	8C	0A	D0	8A	20	E0	2D	10	10	3E
30		00	13	8E	21	00	00	18	00	00	00	00	00	00	00	00
40		00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
50		00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
60		00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
70		00	00	00	00	00	00	00	00	00	00	00	00	00	00	7B

- EDID DATA for RGB

EDID table =

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01
10		00	10	01	03	18	73	41	96	0A	CF	74	A3	57	4C	B0
20		09	48	4C	AF	CE	00	01	01	01	01	01	01	01	01	01
30		01	01	01	01	01	01	66	21	50	B0	51	00	1B	30	40
40		36	00	C4	8E	21	00	00	1E	0E	1F	00	80	51	00	1E
50		40	80	37	00	C4	8E	21	00	00	1C	00	00	00	FD	00
60		4B	1F	3C	09	00	0A	20	20	20	20	20	20	00	00	FC
70		00	4C	47	20	54	56	0A	20	20	20	20	20	20	00	13

10. ADC-Set Adjustment

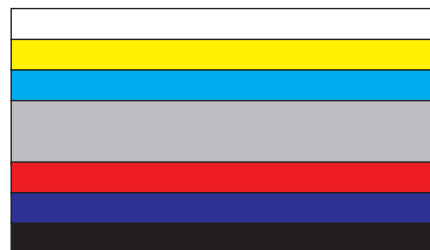
10-1. Synopsis

ADC-Set adjustment to set the black level and the Gain to optimum.

10-2. Test Equipment

Service R/C, 801GF(802B, 802F, 802R) or MSPG925FA Pattern Generator

(720P The Horizontal 100% Color Bar Pattern output will be possible and the output level will accurately have to be revised with $0.7 \pm 0.1V_{p-p}$)



<Fig. 3> Adjustment Pattern : 480i/1080i 60Hz HozTV31 Bar Pattern

10-3. Adjustment

(1) ADC 480i Component1 Adjustment

Check the connection Component1 to the Test Equipment

- (1) Select Component1 as the input with 100% Horizontal Color Bar Pattern(HozTV31Bar) in 480i Mode and select 'Normal' in screen.
- (2) After receiving signal for at least 1 second, press the ADJ Key on the Service R/C to enter the 'Ez - Adjust' and select the '4. ADC 480i Comp1'. Pressing the Enter Key to adjust with automatic movement.

ADJUSTMENT INSTRUCTIONS

- (3) When the adjustment is over, 'ADC Component1 Success' is displayed.
- (4) If the adjustment has errors, 'ADC Configuration Error' is displayed. And error message('Component Not Connection' or 'Change Format to 480i' or 'Check Pattern of device') is displayed for 1 second.

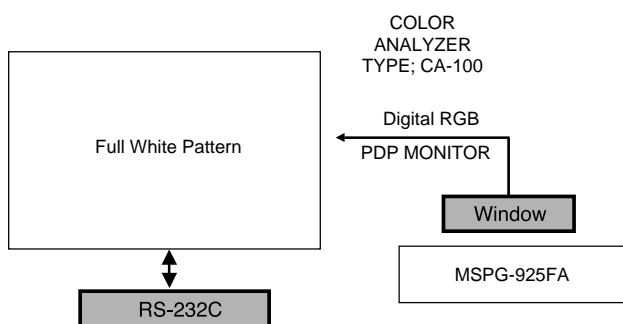
(2) ADC 1080i Component2/RGB Adjustment

Check the connection Component2, RGB to the Test Equipment

- (1) Select Component2 as the input with 100% Horizontal Color Bar Pattern(HozTV31Bar) in 1080i Mode and select 'Normal' in screen.
- (2) After receiving signal for at least 1 second, press the ADJ Key on the Service R/C to enter the 'Ez - Adjust' and select the '5. ADC 480p Comp2/RGB'. Pressing the Enter Key to adjust with automatic movement.
- (3) When the adjustment is over, 'ADC Component2 Success' is displayed. If the adjustment has errors, 'ADC Configuration Error' is displayed.
- (4) After the Component2 adjustment is over, convert the RGB-DTV Mode and display Pattern. When the adjustment is over, 'ADC RGB_DTV Success' is displayed.
- (5) Readjust after confirming the case Pattern or adjustment condition where the adjustment errors. Error message is 'Component Not Connection' or 'Change Format to 480i' or 'Check Pattern of device'.
- (6) After adjustment is complete, exit the adjustment mode by pressing the ADJ KEY.

11. Adjustment of White Balance

11-1. Connection Diagram of Equipment for Measuring (Automatic Adjustment)



<Fig. 4> Connection Diagram of Automatic Adjustment

* RS-232C Command (Automatic Adjustment)

	RS-232C COMMAND [CMD ID DATA]			Min	CENTER (DEFAULT)			Max
	Cool	Mid	Warm		Cool	Mid	Warm	
R Gain	Jg	Ja	Jd	00	184	161	192	255
G Gain	Jh	Jb	Je	00	187	183	159	255
B Gain	Ji	Jc	Jf	00	192	192	95	255
R Cut					64	64	64	127
G Cut					64	64	64	127
B Cut					64	64	64	127

11-2. Adjustment of White Balance

- Operate the Zero-calibration of the CA-210, then attach sensor to PDP module surface when you adjust.
- Manual adjustment is also possible by the following sequence.

- (1) HEAT RUN at least 30 minutes by pressing the Power only Key on the Service Remote Control and adjust.
- (2) After attaching sensor to center of screen, select 'White-Balance' of 'Ez - Adjust' by pressing the ADJ KEY on the Service R/C. Then enter adjustment mode by pressing the Right KEY (▶). This time white pattern is displayed.
- (3) Adjust the Hight Light using R Gain/G Gain(Cool).
Adjust the Hight Light using G Gain/R Gain(Medium).
Adjust the Hight Light using G Gain/B Gain(Warm).
(R Gain: 192, B Gain 192, R-Cut/G-Cut/B-Cut: 64 Fix.)
- (4) Adjust using Volume +/- KEY.
- (5) After adjustment is complete, exit the adjustment mode by pressing the ADJ KEY.

High Level: 216gray

[Cool]

X; 0.278±0.015 Y; 0.279±0.015
Color temperature: 11000°K±1000°K
dUV: -3dUV

[Medium]

X; 0.287±0.015 Y; 0.289±0.015
Color temperature: 9300°K±1000°K
dUV: -3dUV

[Warm]

X; 0.314±0.015 Y; 0.318±0.015
Color temperature: 6500°K±1000°K
dUV: -3dUV

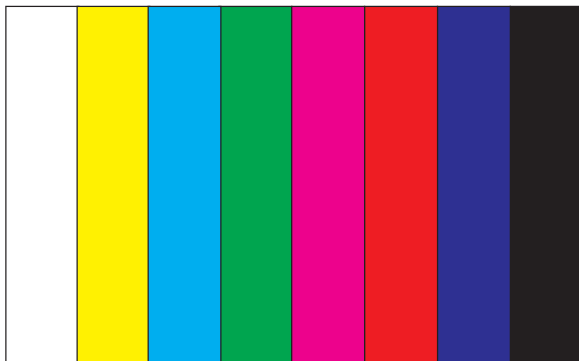
ADJUSTMENT INSTRUCTIONS

12. Video(uPD)-Set

Adjustment for reduce color difference Main/Sub screen of RF or Video signal.

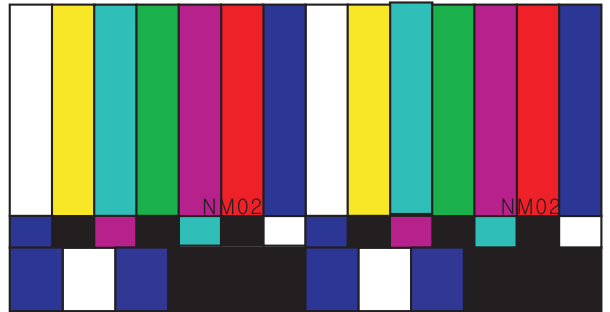
12-1. Adjustment

- (1) Connection the Video Signal Generator(Master) to the TV AV Input terminal.
After input pattern(Model: 201(NTSC-M), Pattern: 32(100% color Bar), pressing the 'Rev' button and appear as below figure



Model: 201(NTSC-M), Pattern: 32(100% color Bar)

- (2) After receive signal, confirm the signal receiving.
And Enter the 'EZ-ADJUST' by pressing the ADJ Key on the Service R/C.
Select '5. Video(UPD)-Set' and enter the adjustment mode by pressing the right key (▶).
(3) When enter the adjustment mode, displayed the TV 2CH SPLIT Screen automatic at picture and appear as below figure.

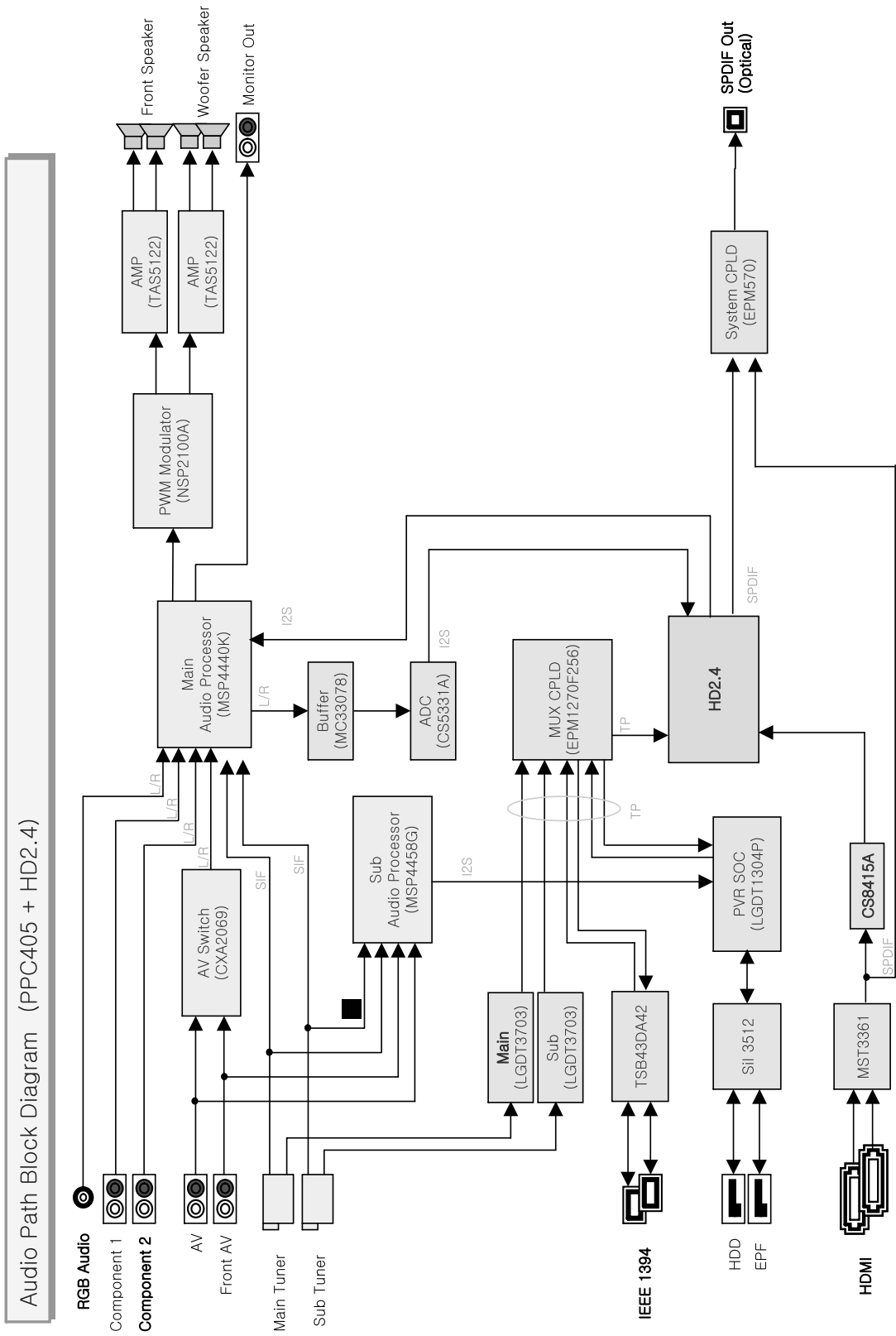


- (4) When the automatic adjustment is over, 'RF Configuration Success' is displayed. If the adjustment has errors, 'Video Configuration Error' is displayed.

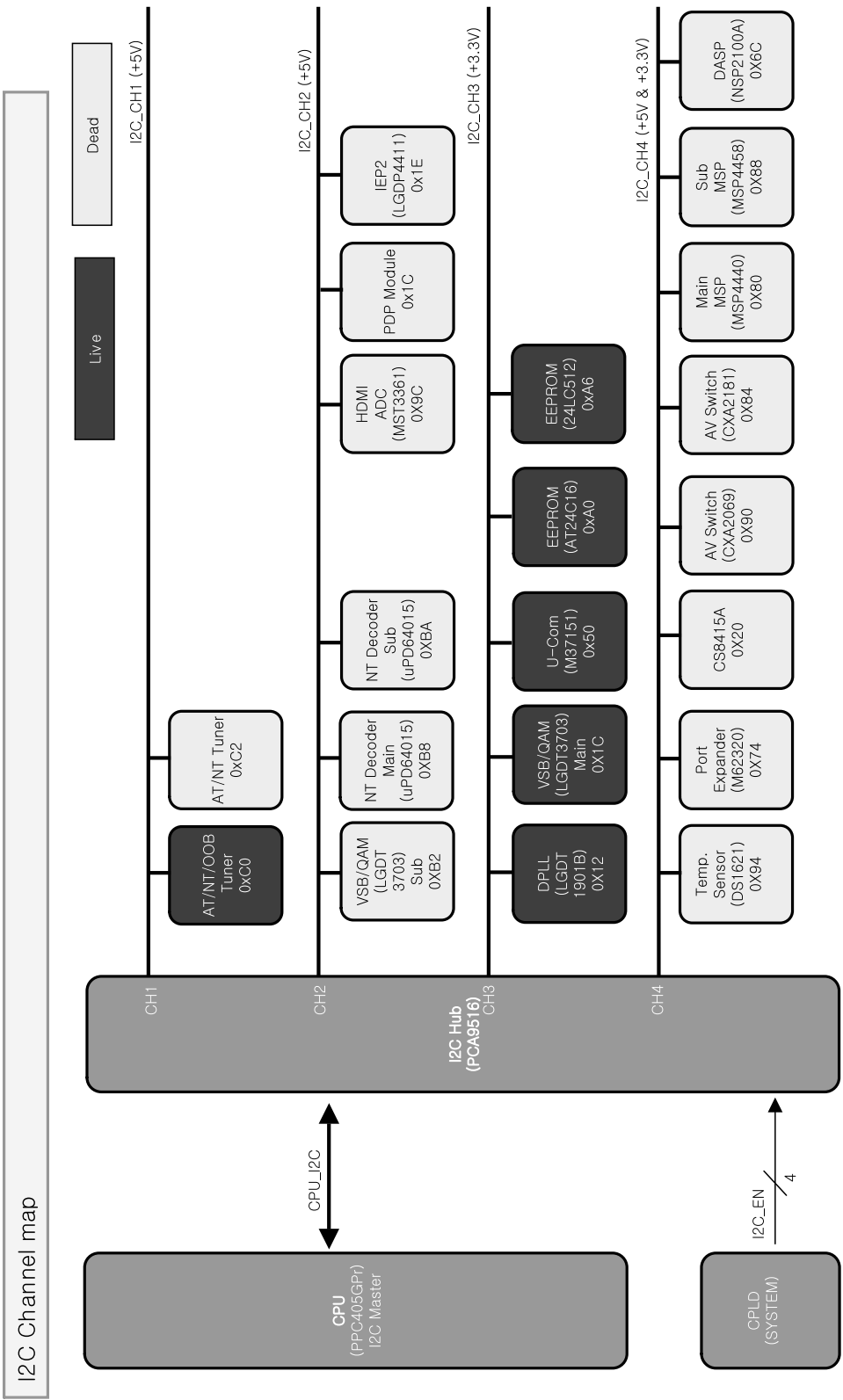


- (5) After the RF signal automatic adjustment is over, convert the Video Mode as below figure and adjust with automatic movement the Video Mode.
When the automatic adjustment is over, 'Video Configuration Success' is displayed. If the adjustment has errors, 'Video Configuration Error' is displayed.

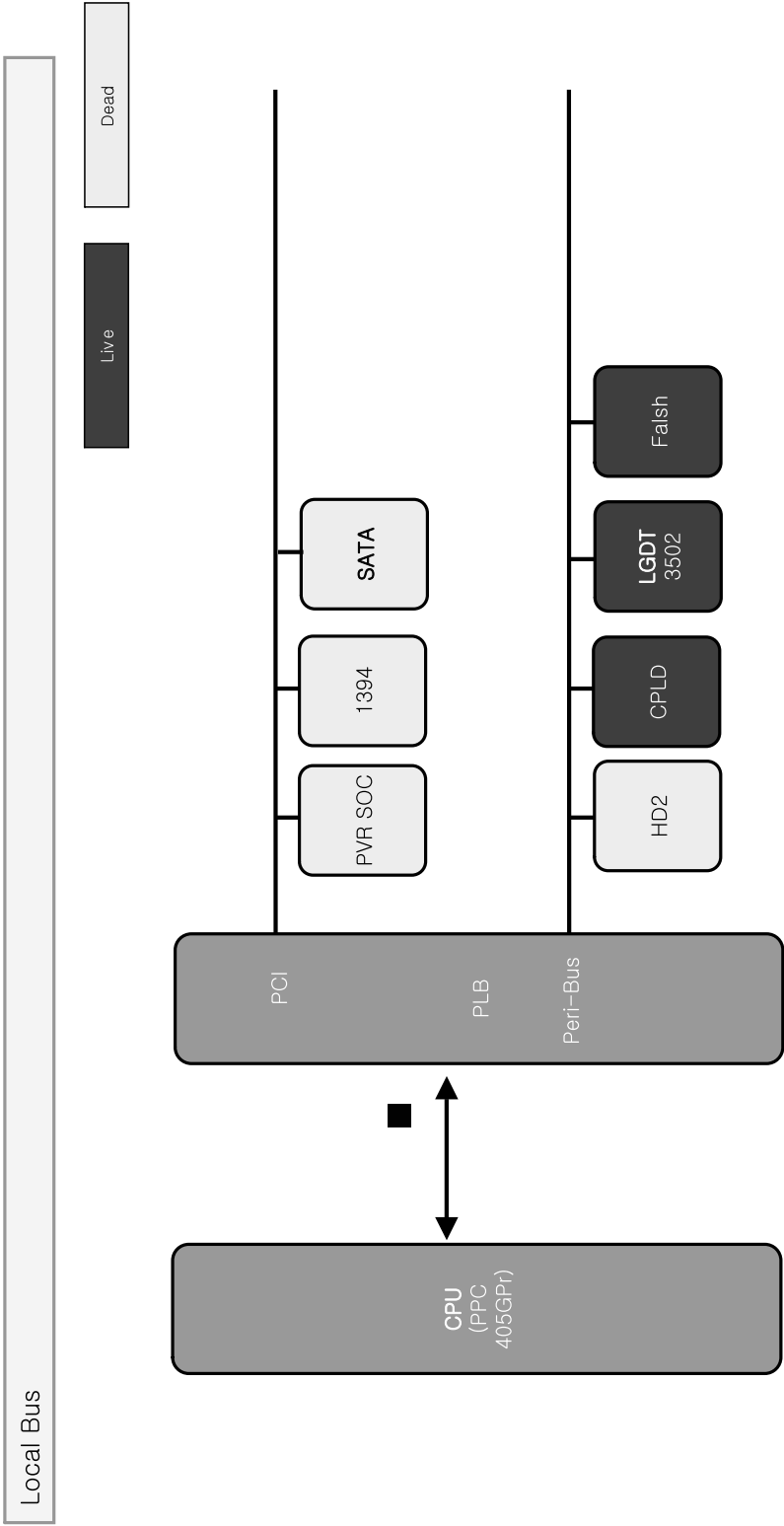
BLOCK DIAGRAM



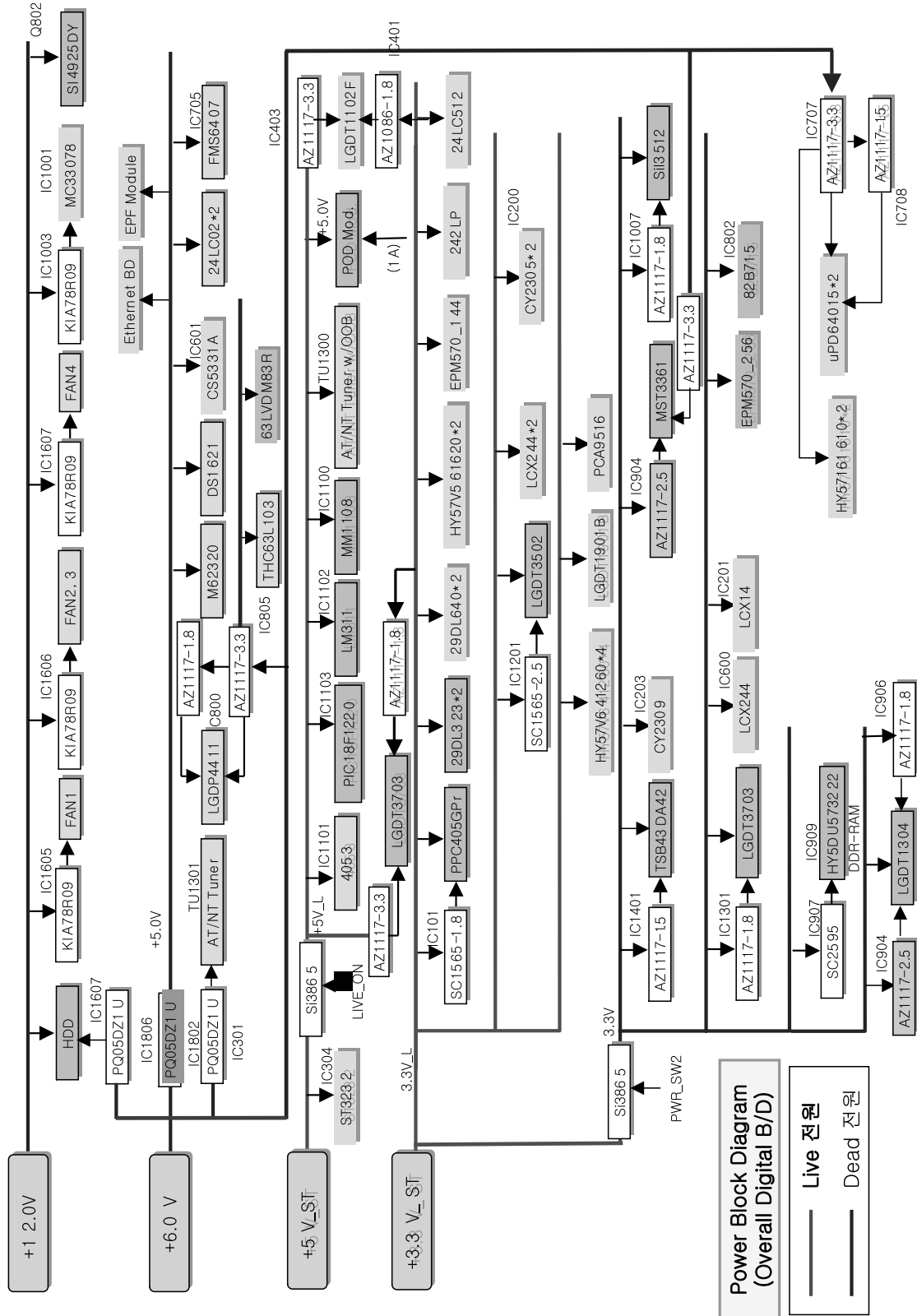
BLOCK DIAGRAM



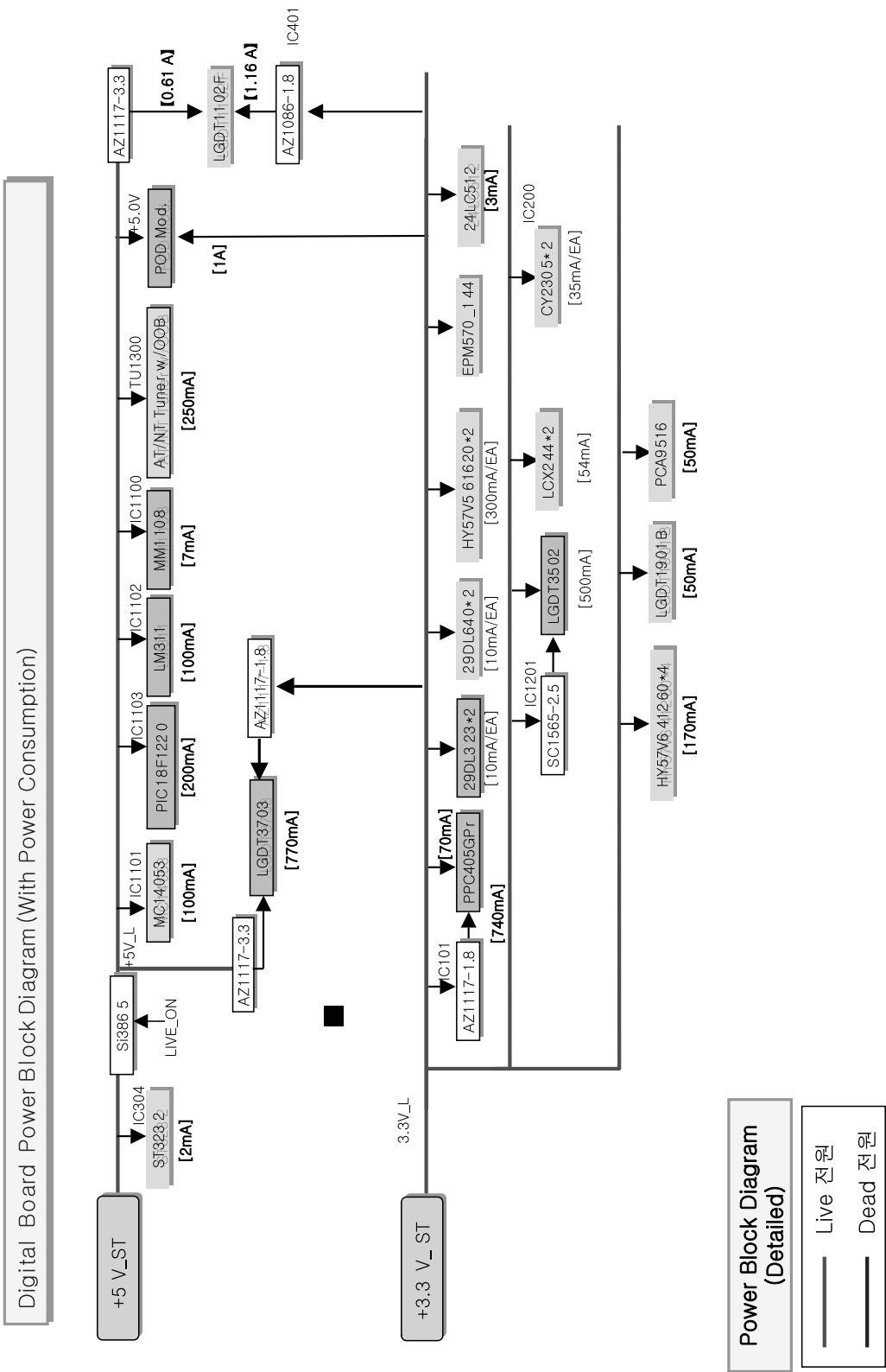
BLOCK DIAGRAM



BLOCK DIAGRAM

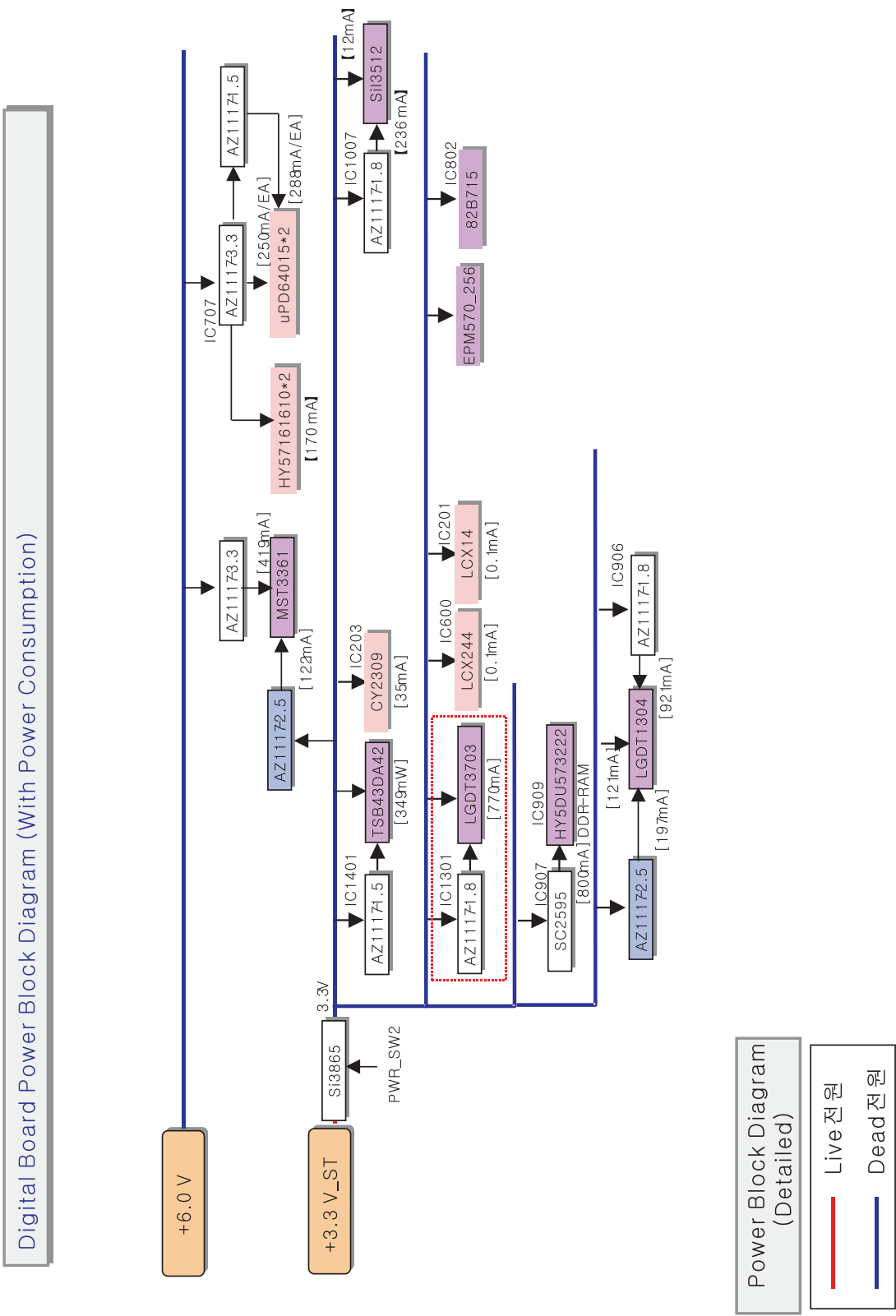


BLOCK DIAGRAM

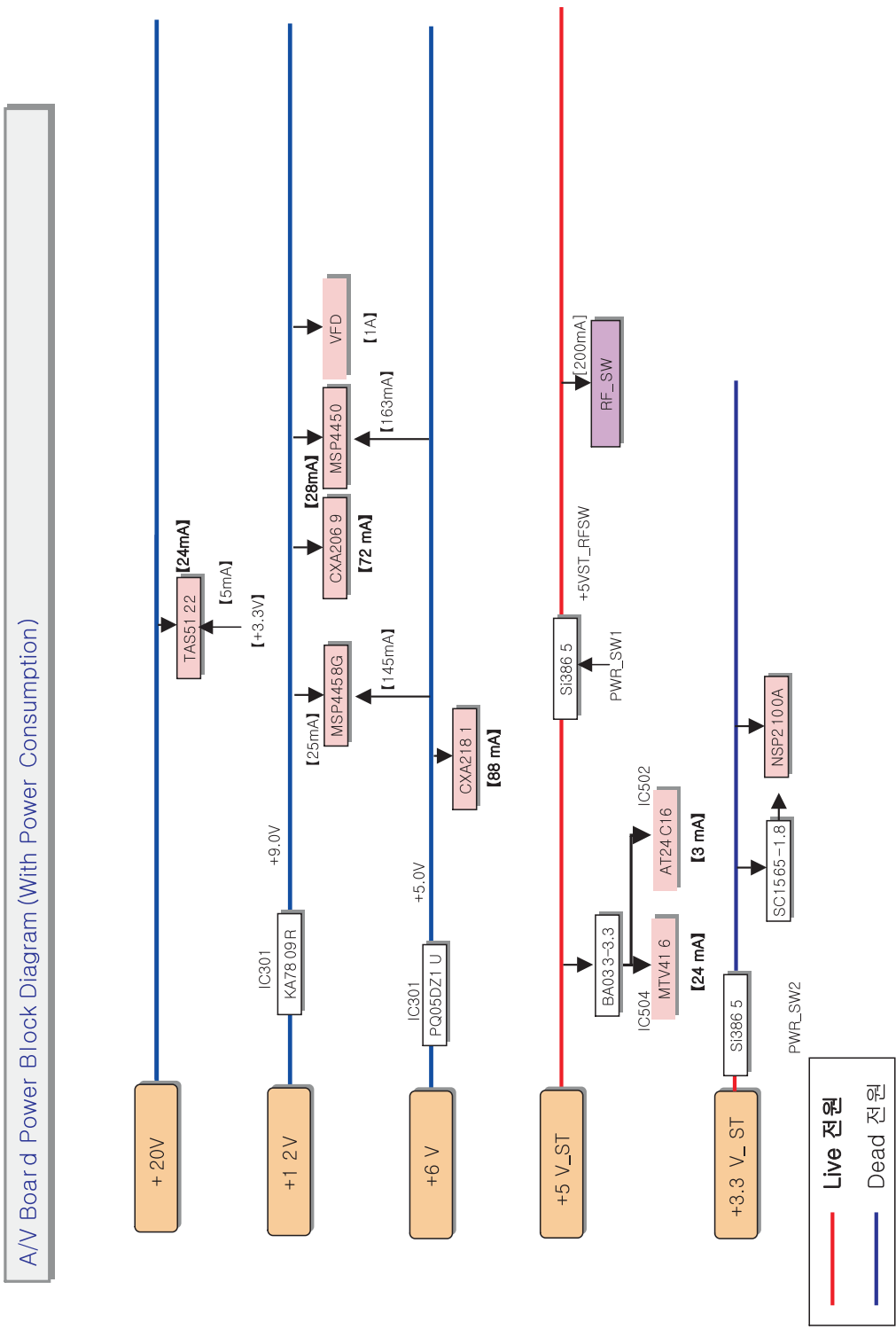




BLOCK DIAGRAM

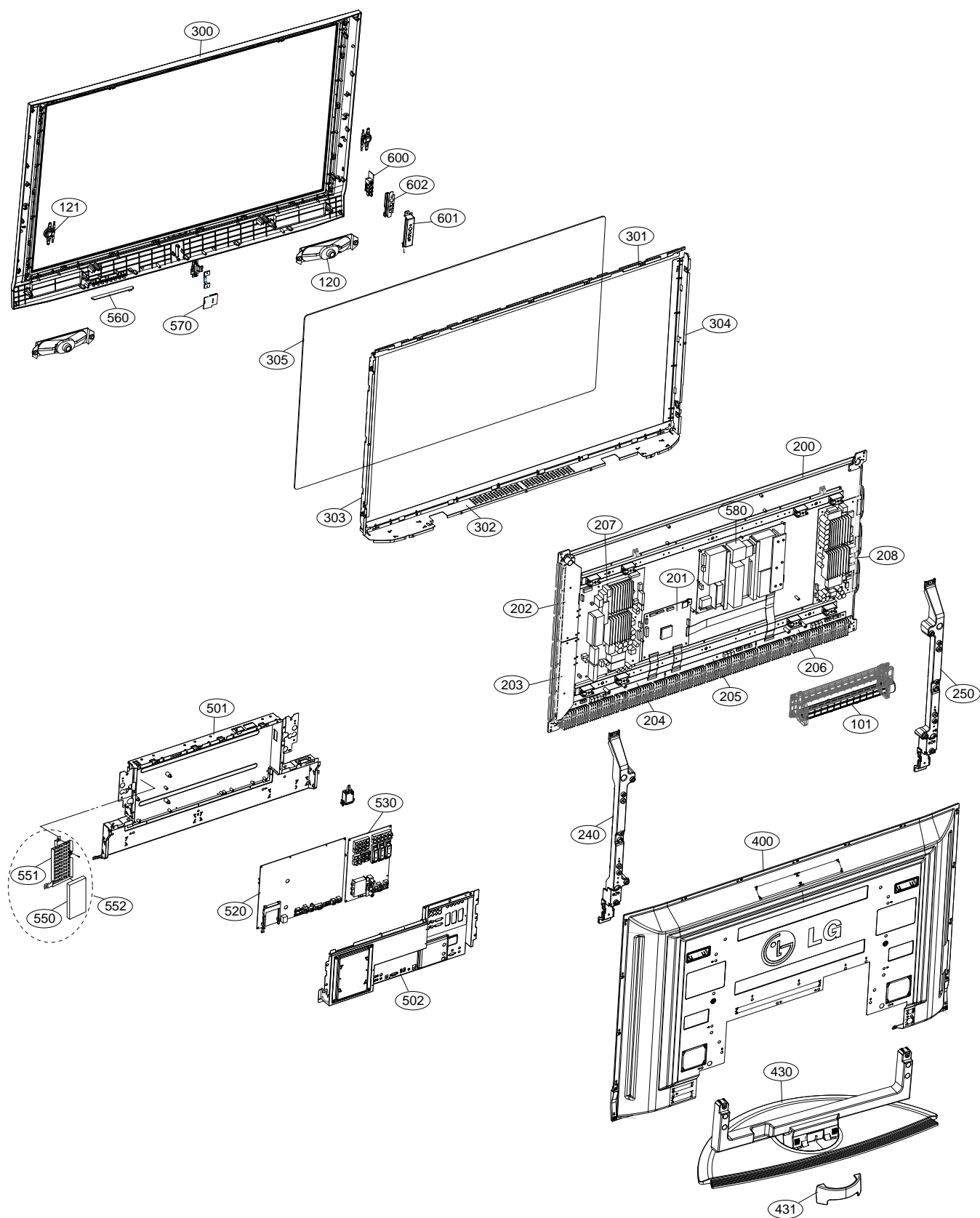


BLOCK DIAGRAM



NOTES

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No.	Part No.	Description
101	5900904001A	FAN,C4230S12B2-LG DONGYANG DC CROSSFLOW 12V 60MM 1100RPM 3P 850MM CFF
120	6400WMCX04A	SPEAKER,WOOFER G2060102 8OHM 15W 82DB OTHERS 100HZ 240*57MM
121	6400DTTX02B	SPEAKER,TWEETER EN15D-6659 8OHM 15/20W 78DB OTHERS PC1 MODEL
200	6348Q-C049N	PDP,50 1365*768 PDP50X30010.AKDDG
	6348Q-C049F	PDP,50 1365*768 PDP50X30010.DDDR B CSKD
201	6871QCH059B	PCB ASSEMBLY,DISPLAY CTRL ASSY 50 CTRL WITH AU CONNECTOR
202	6871QDH088A	PCB ASSEMBLY,DISPLAY YDRV ASSY 50X3 YDRV TOP
203	6871QDH089A	PCB ASSEMBLY,DISPLAY YDRV ASSY 50X3 YDRV BOTTOM
204	6871QLH049D	PCB ASSEMBLY,DISPLAY XRLT ASSY 50 X3 FFC TCP AU
205	6871QXH030D	PCB ASSEMBLY,DISPLAY XRCT ASSY 50 X3 FFC TCP AU
206	6871QRH057D	PCB ASSEMBLY,DISPLAY XRRT ASSY 50 X3 FFC TCP AU
207	6871QYH039A	PCB ASSEMBLY,DISPLAY YSUS ASSY FOR 50X3
208	6871QZH044A	PCB ASSEMBLY,DISPLAY ZSUS ASSY FOR 50X3
240	4980900101A	SUPPORTER ASSY,AL NON
	4980900101C	SUPPORTER ASSY,AL SKD
250	4980900102A	SUPPORTER ASSY,AL VERTICAL L
	4980900102C	SUPPORTER ASSY,AL VERTICAL L SKD
300	30919E0004F	CABINET ASSEMBLY,50PC1DRA-UA BRAND
	30919E0004B	CABINET ASSEMBLY,50PC1DR-UA BRAND
	30919E0004E	CABINET ASSEMBLY,50PC1DRA-UA BRAND SKD
	30919E0004D	CABINET ASSEMBLY,50PC1DR-UA BRAND SKD
301	4980900103A	SUPPORTER,FILTER AL 50PC1R-TA, TOP
	4980900103B	SUPPORTER,FILTER AL 50PC3D-UD.SUSULLJR
302	4980900104A	SUPPORTER,FILTER AL 50PC1R-TA, BOTTOM
	4980900104B	SUPPORTER,FILTER AL 50PC3D-UD.SUSULLJR BOTTOM
303	4980900105A	SUPPORTER,FILTER AL 50PC1R-TA , RIGHT
	4980900105B	SUPPORTER,FILTER AL 50PC3D-UD.SUSULLJR RIGHT
304	4980900106A	SUPPORTER,FILTER AL 50PC1R-TA , LEFT
	4980900106B	SUPPORTER,FILTER AL 50PC3D-UD.SUSULLJR LEFT
305	5230V00025B	FILTER(MECH),LG CHEMICAL GLASS FILTER (40%)
400	3809900102C	BACK COVER ASSEMBLY,50PC1 2PHONE DIGITAL
	3809900102G	BACK COVER ASSEMBLY,50PC1DR-UA.SUSLLJR SKD
430	3501900004C	BOARD ASSEMBLY,STAND 50PC1DRA-UA PA61A
	3501900004A	BOARD ASSEMBLY,STAND 50PC1DR-UA PA61A
	3501900004D	BOARD ASSEMBLY,STAND 50PC1DRA-UA PA61A SKD
	3501900004B	BOARD ASSEMBLY,STAND 50PC1DR-UA PA61A SKD
431	35509K0101A	COVER,50PC1R-TA CABLE NON
501	3301900089B	PLATE ASSEMBLY,AV 3300V00615 CORTEZ-PRESS
502	3301900092H	PLATE ASSEMBLY,DIGITAL COVER ASSY (PA61A)(50INCH)
520	68719MM701A	PCB ASSEMBLY,MAIN PA61A 50PC1DRA-UA DIGITAL MANUAL EVERESR2
530	68719SMK88A	PCB ASSEMBLY,SUB PA61A 50PC1DRA-UA AUSLLAX ANALOG B/D MANUAL INSERT
550	6744B00040A	HDD,3.5 ST3160023AS SEAGATE 160GB SATA INNER DT ALL
551	4980900138C	SUPPORTER ASSY,SECC(EGI) HDD 50PCIDRA PRESS
552	31419SN902A	CHASSIS ASSEMBLY,SUB PA61A HDD ASSY
	31419SN902B	CHASSIS ASSEMBLY,SUB PA61A HDD ASSY SKD
560	68719SMJ48A	PCB ASSEMBLY,SUB PA61A 50PC1DRA-UA HAND CTRL KEY
	68719SF990A	PCB ASSEMBLY,SUB PA61A 50PC1DR-UA SUSLLJR CONTROL KEY DMS SKD
570	68719SMJ49A	PCB ASSEMBLY,SUB PA61A 50PC1DRA-UA HAND PRE-AMP
	68719SF900A	PCB ASSEMBLY,SUB PA61A 50PC1DR-UA SUSLLJR PRE AMP DMS SKD
580	6709900020A	POWER SUPPLY ASSEMBLY,50INCH UNIFAICATION PSU PDP LGIT PA61A 530W 50PB2DR
600	68719SMJ47A	PCB ASSEMBLY,SUB PA61A 50PC1DRA-UA HAND SIDE AV
601	4811900021A	BRACKET ASSEMBLY,SIDE AV 42PC3D-UD PA51D NORTH AMERICA
	4811900021E	BRACKET ASSEMBLY,SIDE AV 42PC1RV-ZJ PP61C VCTP,EU
602	48149V0003B	SHIELD,SIDE AV 50PC1R

REPLACEMENT PARTS LIST

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN : Ceramic
CQ : Polyester
CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

RUN DATE : 2006.1.18

LOCA. NO	PART NO	DESCRIPTION
IC		
IC100	OIPRPBM001B	PPC405GPR-3JB266C 456 BALL,35MM
IC1000	OICB533100A	CS5331A-KSR 8SOIC TP ADC -
IC1001	OISTL00029A	MC33078DR2G 8P
IC1002	OIMCR02015A	SII3512ECTU128 128P
IC1003	OIPMGKE032A	KIA78R09F 5PIN DPAK R/TP 1A,9V
IC1006	OICB841500B	CS8415A-CZR 28P 96KHZ DIGITAL AUDIO
IC1007	OIPMG00049A	AZ1117H-1.8TRE1(EH13A),LF BCD SOT-223 3P
IC101	OISO206900A	CXA2069Q QFP64 BK I2C BUS AV S/W
IC101	OIPMG00049A	AZ1117H-1.8TRE1(EH13A) SOT-223 3P
IC1100	OIMCRMT003A	MM1108XFFE 8P
IC1101	OISTL00024A	MC14053BDR2G 16P
IC1102	OIPMGNS026A	LM311MX 8P
IC1103	OIMCRMP006A	PIC18F1220T-I/SO 28P
IC1200	OICTMLG017A	LGDT3502B LG IC 208P
IC1201	OIMCRSJ001B	SC1565IST-2.5TR 2.5V 1.5A 3P SOT-223
IC1202	OIMCRFA013A	74LCX244MTC FAIRCHILD 20P
IC1204	OIPRPML004B	MIC2562A-0YM,LF MICREL 14PIN
IC1205	OIPRPML004B	MIC2562A-0YM,LF MICREL 14PIN
IC1300	OIPMG78403A	AZ1086S-1.8TRE1 BCD 3PIN TO-263
IC1300	OIPMG00049A	AZ1117H-1.8TRE1(EH13A) SOT-223 3P
IC1301	OIPMG00049A	AZ1117H-1.8TRE1(EH13A) SOT-223 3P
IC1302	OIMCRSH001A	PQ05DZ1U SHARP 5
IC1303	OIPRP00538A	FSA1156P6X-NL 6P
IC1304	OIPMGON013B	MC34063ADR2G ON SEMI SO-8P
IC1305	OICTM00006B	LGDT3703D LG SYSTEM IC 128P
IC1306	OICTM00006C	LGDT3703B 128P
IC1306	OICTM00006B	LGDT3703D LG SYSTEM IC 128P
IC1307	OIPMGA0010A	AZ1117H-3.3 AAC SOT-223 3P R/TP 3.3V 1A
IC1601	OIMCRSH001A	PQ05DZ1U SHARP 5
IC1602	OIMCRSH001A	PQ05DZ1U SHARP 5
IC1602	OIMCRKE006A	KIA278R05PI KEC TO220IS,4P
IC1603	OIMI623200B	M62320FP,I/O EXPANDER 16P
IC1604	OIPRPNS054A	LM75CIMX-3 8P
IC1605	OIPMGKE032A	KIA78R09F 5PIN DPAK R/TP 1A,9V
IC1606	OIPMGKE032A	KIA78R09F 5PIN DPAK R/TP 1A,9V
IC1607	OIPMGKE032A	KIA78R09F 5PIN DPAK R/TP 1A,9V
IC201	OIMMRHY038E	HY57V561620CTP-H 54PIN
IC201	OIPRP00670A	MSP4458G-C4 MICRONAS 64P
IC202	OIMMRHY038E	HY57V561620CTP-H,LF HYNIX 54PIN
IC202	OIMCRMN028C	MSP4450K-QA-D6 MICRONAS 80P
IC203	OIMCRCY002A	CY2309SXC-1HT CYPRESS SOIC 16P
IC206	OIMCRPH026B	PA9516APW PHILIPS 16P
IC209	OIMCRAL021A	AT24C512W-10SU-2.7 8PIN
IC210	OIMCRCY002A	CY2309SXC-1HT CYPRESS SOIC 16P
IC301	OIPRP00687A	EPM570T144C5N ALTERA 144P
IC301	OIMCRSH001A	PQ05DZ1U SHARP 5

LOCA. NO	PART NO	DESCRIPTION
IC302	OIMCRSJ001A	SC1565IST-1.8 SEMTECH 3P SOT223
IC302	OIKE702900G	KIA7029AF SOT-89 TP 2.9V
IC303	OIMCRFA010A	KA7809R, FAIRCHILD 2P
IC303	OIMCRFA013A	74LCX244MTC FAIRCHILD 20P
IC304	OIPRP00009A	ICL3232CBNZ INTERSIL 16P
IC304	OIMCRRH001A	BA033FP-E2 ROHM 3P-SOP,TO252-3
IC305	OIPRP00687B	EPM570F256C5N ALTERA 256P
IC306	OISTLPH026A	74LVC14APW PHILIPS 14PIN
IC401	OILNR00015A	NSP-2100A,LF NEOFIDELITY TQFP 64P
IC401	OIPMG78403A	AZ1086S-1.8TRE1 BCD 3PIN TO-263
IC402	OICTMLG009E	LGDT1102F HD2.4 LG IC 432P
IC403	OIMCRTI028C	TAS5122DCARG4 56P
IC403	OIPMGA0010A	AZ1117H-3.3 SOT-223 3P R/TP 3.3V 1A
IC500	OIMMR00141A	HY57V641620ETP-6 54PIN
IC501	OIMMR00141A	HY57V641620ETP-6 54PIN
IC501	OIMCRSO025A	CXA2181Q SONY 48P
IC502	OIMCRAL006A	AT24C16AN-10SU-2.7 8P
IC502	OIMMR00141A	HY57V641620ETP-6 HYNIX 54PIN
IC503	OIMMR00141A	HY57V641620ETP-6 HYNIX 54PIN
IC503	OIKE702900G	KIA7029AF SOT-89 TP 2.9V
IC504	OIMCRCY002A	CY2309SXC-1HT CYPRESS SOIC 16P
IC505	OICTMLG013B	LGDT1901B LG IC SSOP 24P
IC505	OISTL00024A	MC14053BDR2G,LF ON SEMI 16P
IC601	OIMMRAL014B	AT24C02N-10SI-2.7 ATMEL 8P
IC601	OIPMGA0010A	AZ1117H-3.3 SOT-223 3P R/TP 3.3V 1A
IC602	OIPH740800H	74F08D 14P
IC603	OIPRP00696A	MST3361M-LF-110 MSTAR 128P
IC604	OIMMRCS012B	CAT24WC08W-T(MST3000) 8P
IC605	OIMMRAL014B	AT24C02N-10SI-2.7 ATMEL 8P
IC606	OIMMRAL014B	AT24C02N-10SI-2.7 ATMEL 8P
IC607	OIPRPFA016A	FMS6407MTC20X-NL(PB-FREE) 20P
IC609	OIMCRSJ001B	SC1565IST-2.5TR 2.5V 1.5A 3P SOT-223
IC610	OIPRPFA016A	FMS6407MTC20X-NL(PB-FREE) 20P
IC701	OIPRPNE011B	UPD64015AGM-UEU-A,LF NEC 176P
IC702	OIPRPFA015B	FMS6400CS1X,LF FAIRCHILD SOIC 8P
IC703	OIMMR00080A	HY57V161610ETP-6 50PIN TSOP2
IC704	OIPRPFA015B	FMS6400CS1X 8P
IC705	OIPRPNE011B	UPD64015AGM-UEU-A,LF NEC 176P
IC706	OIMMR00080A	HY57V161610ETP-6 50PIN TSOP2
IC707	OIPMGA0010A	AZ1117H-3.3 AAC SOT-223 3P
IC708	OIPMG00028A	AZ1117H-1.5TRE1 BCD 3P/SOT-223
IC801	OIPMGA0010A	AZ1117H-3.3 AAC SOT-223 3P
IC802	OIPMG78403A	AZ1086S-1.8TRE1 BCD 3PIN TO-263
IC802	OIPMG00049A	AZ1117H-1.8TRE1(EH13A) SOT-223 3P
IC803	OIMCRTH002A	THC63LVD103 64P
IC804	OICTMLG018C	LGDP4412, IEP3 LG IC 452P
IC904	OIMCRSJ001B	SC1565IST-2.5TR 2.5V 1.5A 3P SOT-223
IC906	OIPMG78403A	AZ1086S-1.8TRE1 BCD 3PIN TO-263

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
IC906	0IPMG00049A	AZ1117H-1.8TRE1(EH13A) SOT-223 3P	Q512	0TRIY80001A	2SC3052 50V 200MA
IC907	0IPMG78391A	SC2595STR 8PIN SOIC-8L(EDP)	Q513	0TRIY80001A	2SC3052 50V 200MA
IC908	0ICTM00040A	LGDT1304P 432P	Q514	0TRIY80001A	2SC3052 50V 200MA
IC909	0IMMR00159A	HY5DU573222FP-33 144BALL	Q515	0TRIY80001A	2SC3052 50V 200MA
TRANSISTOR			Q516	0TRIY80001A	2SC3052 50V 200MA
Q101	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q517	0TR102009AM	KRA102S SOT23 -50V -0.1A
Q102	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q601	0TR102009AJ	KRC102S SOT23 50V 0.1A
Q102	0TRIH80002A	2SA1530A-T112-1R SC-59 -60V	Q602	0TR102009AJ	KRC102S SOT23 50V 0.1A
Q103	0TRIH80002A	2SA1530A-T112-1R SC-59 -60V	Q603	0TR830009BA	BSS83
Q105	0TRIY80001A	2SC3052 50V 200MA	Q604	0TR830009BA	BSS83
Q106	0TRIY80001A	2SC3052 50V 200MA	Q605	0TR830009BA	BSS83
Q107	0TRIH80002A	2SA1530A-T112-1R SC-59 -60V -0.15A	Q605	0TR102009AJ	KRC102S SOT23 50V 0.1A
Q108	0TRIH80002A	2SA1530A-T112-1R SC-59 -60V -0.15A	Q606	0TR830009BA	BSS83
Q109	0TRIY80001A	2SC3052 50V 200MA	Q606	0TR830009BA	BSS83
Q110	0TRIY80001A	2SC3052 50V 200MA	Q607	0TR830009BA	BSS83
Q1100	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q608	0TR830009BA	BSS83
Q1101	0TR390609DC	2N3906S-RTK SOT23 -40V -0.2A	Q609	0TR830009BA	BSS83
Q1103	0TR390609DC	2N3906S-RTK SOT23 -40V -0.2A	Q610	0TR102009AJ	KRC102S SOT23 50V 0.1A
Q112	0TRIY80001A	2SC3052 50V 200MA	Q611	0TR102009AJ	KRC102S SOT23 50V 0.1A
Q1300	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q612	0TRIH80003A	RT1N141C-T112-1 SC-59 50V 100MA
Q1301	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q613	0TRIY80001A	2SC3052 50V 200MA
Q1302	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	Q614	0TRIY80001A	2SC3052 50V 200MA
Q1303	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	Q615	0TRIY80001A	2SC3052 50V 200MA
Q1305	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q616	0TRIY80001A	2SC3052 50V 200MA
Q1306	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q617	0TRIY80001A	2SC3052 50V 200MA
Q1309	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	Q618	0TRIY80001A	2SC3052 50V 200MA
Q1311	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	Q619	0TRIY80001A	2SC3052 50V 200MA
Q1312	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	Q620	0TRIY80001A	2SC3052 50V 200MA
Q1600	0TFVI80067A	SI3865BDV(E3) TSOP-6 PB FREE,8V 2.9A	Q621	0TRIY80001A	2SC3052 50V 200MA
Q1602	0TFVI80067A	SI3865BDV(E3) TSOP-6 PB FREE,8V 2.9A	Q701	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q1603	0TFVI80067A	SI3865BDV(E3) TSOP-6 PB FREE,8V 2.9A	Q702	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q201	0TRIH80002A	2SA1530A-T112-1R SC-59 -60V -0.15A	Q703	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q202	0TRIH80002A	2SA1530A-T112-1R SC-59 -60V -0.15A	Q704	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q203	0TRIH80002A	2SA1530A-T112-1R SC-59 -60V -0.15A	Q705	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q204	0TRIH80002A	2SA1530A-T112-1R SC-59 -60V -0.15A	Q706	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q205	0TRIY80001A	2SC3052 50V 200MA	Q707	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q206	0TRIY80001A	2SC3052 50V 200MA	Q708	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q207	0TR102009AM	KRA102S SOT23 -50V -0.1A	Q801	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q301	0TFVI80067A	SI3865BDV(E3) TSOP-6 PB FREE,8V 2.9A	DIODE		
Q303	0TFVI80067A	SI3865BDV(E3) TSOP-6 PB FREE,8V 2.9A	D1000	0DL233309AC	LED,SAM2333
Q500	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	D101	0DSIH00028A	MC2838-T112-1 SC-59 75V 4A 0.3A
Q501	0TRIH80002A	2SA1530A-T112-1R SC-59 -60V -0.15A	D102	0DSIH00028A	MC2838-T112-1 SC-59 75V 4A 0.3A
Q501	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	D1300	0DD184009AA	KDS184 TP KEC - 85V - 300MA
Q502	0TRIY80001A	2SC3052 50V 200MA	D1300	0DS113379BA	1SS133 T-72 DO34 90V
Q503	0TRIY80001A	2SC3052 50V 200MA	D1301	0DL233309AC	LED,SAM2333
Q504	0TRIY80001A	2SC3052 50V 200MA	D1303	0DL233309AC	LED,SAM2333
Q508	0TRIY80001A	2SC3052 50V 200MA	D1601	0DL233309AC	LED,SAM2333
Q509	0TRIY80001A	2SC3052 50V 200MA	D1602	0DL233309AC	LED,SAM2333
Q510	0TRIY80001A	2SC3052 50V 200MA	D1603	0DL233309AC	LED,SAM2333
Q511	0TRIY80001A	2SC3052 50V 200MA	D1604	0DL233309AC	LED,SAM2333

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
D300	0DL233309AC	LED,SAM2333	C102	0CC330CK41A	33PF 1608 50V 5% R/TP NP0
D301	0DL233309AC	LED,SAM2333	C1020	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
D302	0DRSE00038A	SDC15 TVS SOT23 12.8V	C1022	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
D303	0DRSE00038A	SDC15 TVS SOT23 12.8V	C103	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
D501	0DSIH00028A	MC2838-T112-1 SC-59 75V 4A 0.3A	C103	0CE4763F618	47UF SRE,SE 16V 20% FL TP 5
D600	0DRSE00048A	RLCAMP0504M 10L,3P,5V -A 12A	C1031	0CE106WFKDC	10UF MVK 16V 20%,-20%
D601	0DD184009AA	KDS184 TP KEC - 85V - 300MA	C1032	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
D602	0DD184009AA	KDS184 TP KEC - 85V - 300MA	C1034	0CC270CK41A	27PF 1608 50V 5% R/TP NP0
D603	0DRSE00048A	RLCAMP0504M 10L,3P,5V -A 12A	C1035	0CC270CK41A	27PF 1608 50V 5% R/TP NP0
D604	0DRSE00048A	RLCAMP0504M 10L,3P,5V -A 12A	C1036	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
D605	0DRSE00048A	RLCAMP0504M 10L,3P,5V -A 12A	C1037	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
LD101	0DLAU0410AA	LED,AUK SAW5670	C1038	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
ZD101	0DZ560009DA	ZENERS,UDZ S 5.6B	C1039	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
ZD102	0DZ560009DA	ZENERS,UDZ S 5.6B	C104	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
ZD107	0DZ560009DA	ZENERS,UDZ S 5.6B	C104	0CE4763F618	47UF SRE,SE 16V 20% FL TP 5
ZD108	0DZ560009DA	ZENERS,UDZ S 5.6B	C1044	0CK472CK56A	4700PF 1608 50V 10% R/TP X7R
ZD109	0DZ560009DA	ZENERS,UDZ S 5.6B	C1045	0CE106WFKDC	10UF MVK 16V 20%,-20%
ZD201	0DZRM00248A	ZENERS,RLZ8.2B-TE11	C1046	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
ZD202	0DZRM00248A	ZENERS,RLZ8.2B-TE11	C105	0CE4763F618	47UF SRE,SE 16V 20% FL TP 5
ZD601	0DZ560009DA	ZENERS,UDZ S 5.6B	C105	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD
ZD602	0DZ560009DA	ZENERS,UDZ S 5.6B	C1051	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
ZD603	0DZ560009DA	ZENERS,UDZ S 5.6B	C1053	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
ZD604	0DZ560009DA	ZENERS,UDZ S 5.6B	C1056	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
ZD605	0DZ560009DA	ZENERS,UDZ S 5.6B	C1057	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
ZD606	0DZ560009DA	ZENERS,UDZ S 5.6B	C1058	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
ZD618	0DZ560009DA	ZENERS,UDZ S 5.6B	C1059	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
ZD619	0DZ560009DA	ZENERS,UDZ S 5.6B	C106	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD
ZD620	0DZ560009DA	ZENERS,UDZ S 5.6B	C107	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
ZD621	0DZ560009DA	ZENERS,UDZ S 5.6B	C108	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
ZD622	0DZ560009DA	ZENERS,UDZ S 5.6B	C109	0CE225WK6DC	2.2UF MVK,RC 50V 20%
CAPACITOR			C110	0CE105WK6DC	1UF MVK 50V 20% R/TP(SMD) SMD
C100	0CE106WFKDC	10UF MVK 16V 20%,-20%	C1100	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD
C1000	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C1102	0CK392CK56A	3900PF 1608 50V 10% R/TP X7R
C1001	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C1104	0CC561CK41A	560PF 1608 50V 5% NP0 R/TP
C1002	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C1105	0CE105WK6DC	1UF MVK 50V 20% R/TP(SMD) SMD
C1003	0CC470CK41A	47PF 1608 50V 5% R/TP NP0	C1106	0CC561CK41A	560PF 1608 50V 5% NP0 R/TP
C1005	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C1107	0CE475WJ6DC	4.7UF MVK 35V 20% R/TP(SMD) SMD
C1006	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C1108	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
C101	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C1109	0CK271CK46A	270PF 1608 50V 5% X7R R/TP
C101	0CC101CK41A	100PF 1608 50V 5% R/TP NP0	C111	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
C101	0CE105WK6DC	1UF MVK 50V 20% R/TP(SMD) SMD	C1110	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1012	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C1111	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1013	0CC470CK41A	47PF 1608 50V 5% R/TP NP0	C1112	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1014	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C1113	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C1015	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C1115	0CE335WK6D8	3.3UF MVK,RC 50V 20%
C1017	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C1117	0CC180CK41A	18PF 1608 50V 5% R/TP NP0
C1017	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C1118	0CC180CK41A	18PF 1608 50V 5% R/TP NP0
C102	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C112	0CE225WK6DC	2.2UF MVK,RC 50V 20%
C102	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)	C113	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
C102	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C114	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
			C115	0CE105WK6DC	1UF MVK 50V 20% R/TP(SMD) SMD

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C116	0CE227WF6DC	220UF MVK 16V 20% R/TP(SMD) SMD	C1322	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C116	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C1324	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C117	0CE227WF6DC	220UF MVK 16V 20% R/TP(SMD) SMD	C1325	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C117	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C1326	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C118	0CC101CK41A	100PF 1608 50V 5% R/TP NP0	C1329	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C119	0CC101CK41A	100PF 1608 50V 5% R/TP NP0	C133	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
C120	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)	C1330	0CK271CK46A	270PF 1608 50V 5% X7R R/TP
C1200	0CC200CK41A	20PF 1608 50V 5% R/TP NP0	C1330	0CK271CK46A	270PF 1608 50V 5% X7R R/TP
C1204	0CC200CK41A	20PF 1608 50V 5% R/TP NP0	C1331	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1209	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C1332	0CE106WFKDC	10UF MVK 16V 20%,-20%
C121	0CE225WK6DC	2.2UF MVK,RC 50V 20%	C1334	0CE335WK6D8	3.3UF MVK,RC 50V 20%
C1213	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C1334	0CE476WK6DC	47UF MVK 50V 20% R/TP(SMD) SMD
C1216	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C134	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
C1217	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C1341	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C1218	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C1342	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C122	0CE225WK6DC	2.2UF MVK,RC 50V 20%	C1345	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C1223	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C1346	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C123	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C1348	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C123	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C1349	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C1231	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP	C135	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
C1232	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C1352	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1234	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP	C1354	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1235	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP	C1355	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1236	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C1356	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1237	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C1357	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1238	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP	C1358	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C1238	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP	C1359	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C124	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C1360	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C124	0CC101CK41A	100PF 1608 50V 5% R/TP NP0	C1361	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C125	0CC101CK41A	100PF 1608 50V 5% R/TP NP0	C1362	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C126	0CE105WK6DC	1UF MVK 50V 20% R/TP(SMD) SMD	C1362	0CC050CK11A	5PF 1608 50V 0.5 PF R/TP NP0
C126	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C1363	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C127	0CE105WK6DC	1UF MVK 50V 20% R/TP(SMD) SMD	C1363	0CC050CK11A	5PF 1608 50V 0.5 PF R/TP NP0
C1301	0CC180CK41A	18PF 1608 50V 5% R/TP NP0	C1370	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1302	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C1386	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1304	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C1387	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1306	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C1389	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C1307	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP	C1390	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C1308	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C1391	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1309	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP	C1392	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C1310	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C1393	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C1311	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP	C1395	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1312	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C1396	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1313	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C1604	0CE337WJ6D8	330UF MVK,RC 35V 20%
C1314	0CC200CK41A	20PF 1608 50V 5% R/TP NP0	C1605	0CE337WJ6D8	330UF MVK,RC 35V 20%
C1315	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C1607	0CE477WF6DC	470UF MVK 16V 20%
C1316	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C1607	0CE337WJ6D8	330UF MVK,RC 35V 20%
C1317	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C1608	0CE477WF6DC	470UF MVK 16V 20%
C1319	0CC200CK41A	20PF 1608 50V 5% R/TP NP0	C1608	0CE337WJ6D8	330UF MVK,RC 35V 20%
C132	0CC471CK41A	470PF 1608 50V 5% R/TP NP0	C1613	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C1320	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C1616	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C1617	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C230	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1618	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R	C230	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD
C1619	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C231	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
C1621	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C232	0CC220CK41A	22PF 1608 50V 5% R/TP NP0
C1622	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C232	0CE335WK6D8	3.3UF MVK,RC 50V 20%
C1623	0CE105WK6DC	1UF MVK 50V 20% R/TP(SMD) SMD	C233	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1625	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R	C234	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C1626	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R	C235	0CE106WFKDC	10UF MVK 16V 20%,-20%
C1627	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C236	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C1628	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C237	0CE106WFKDC	10UF MVK 16V 20%,-20%
C1630	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C238	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD
C1632	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C239	0CC020CK01A	2PF 1608 50V 0.25 PF R/TP NP0
C1636	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C240	0CC020CK01A	2PF 1608 50V 0.25 PF R/TP NP0
C1641	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C241	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C200	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C242	0CC560CK41A	56PF 1608 50V 5% R/TP NP0
C201	0CC020CK01A	2PF 1608 50V 0.25 PF R/TP NP0	C243	0CC560CK41A	56PF 1608 50V 5% R/TP NP0
C202	0CC020CK01A	2PF 1608 50V 0.25 PF R/TP NP0	C244	0CC560CK41A	56PF 1608 50V 5% R/TP NP0
C203	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C245	0CE335WK6D8	3.3UF MVK,RC 50V 20%
C204	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C246	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C205	0CC560CK41A	56PF 1608 50V 5% R/TP NP0	C247	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD
C206	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C248	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C206	0CC560CK41A	56PF 1608 50V 5% R/TP NP0	C249	0CK222CK56A	2200PF 1608 50V 10% R/TP X7R
C207	0CC560CK41A	56PF 1608 50V 5% R/TP NP0	C250	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C208	0CE335WK6D8	3.3UF MVK,RC 50V 20%	C251	0CK222CK56A	2200PF 1608 50V 10% R/TP X7R
C209	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C252	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C210	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)	C253	0CK222CK56A	2200PF 1608 50V 10% R/TP X7R
C211	0CK222CK56A	2200PF 1608 50V 10% R/TP X7R	C254	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C211	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C255	0CK222CK56A	2200PF 1608 50V 10% R/TP X7R
C212	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)	C256	0CK222CK56A	2200PF 1608 50V 10% R/TP X7R
C213	0CK222CK56A	2200PF 1608 50V 10% R/TP X7R	C257	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
C214	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)	C258	0CK222CK56A	2200PF 1608 50V 10% R/TP X7R
C215	0CK222CK56A	2200PF 1608 50V 10% R/TP X7R	C259	0CK222CK56A	2200PF 1608 50V 10% R/TP X7R
C216	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)	C260	0CK222CK56A	2200PF 1608 50V 10% R/TP X7R
C216	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C261	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C217	0CK222CK56A	2200PF 1608 50V 10% R/TP X7R	C262	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
C217	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C263	0CE335WK6D8	3.3UF MVK,RC 50V 20%
C218	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)	C264	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C218	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C265	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C219	0CK222CK56A	2200PF 1608 50V 10% R/TP X7R	C266	0CE106WFKDC	10UF MVK 16V 20%,-20%
C220	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C267	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C221	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)	C268	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C222	0CK222CK56A	2200PF 1608 50V 10% R/TP X7R	C269	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C223	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C270	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C223	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C271	0CE106WFKDC	10UF MVK 16V 20%,-20%
C224	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)	C272	0CE475WK6DC	4.7UF MVK,RC 50V 20%
C225	0CK222CK56A	2200PF 1608 50V 10% R/TP X7R	C273	0CE475WK6DC	4.7UF MVK,RC 50V 20%
C226	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)	C274	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C227	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C3000	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C228	0CK222CK56A	2200PF 1608 50V 10% R/TP X7R	C3001	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C229	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C3002	0CC220CK41A	22PF 1608 50V 5% R/TP NP0
C229	0CC471CK41A	470PF 1608 50V 5% R/TP NP0	C3003	0CC220CK41A	22PF 1608 50V 5% R/TP NP0

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C3005	0CC180CK41A	18PF 1608 50V 5% R/TP NP0	C327	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C301	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C328	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C302	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C328	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C303	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C329	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C3039	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C330	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C304	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C331	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C304	0CE106WFKDC	10UF MVK 16V 20%,-20%	C332	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C3041	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C332	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C3044	0CC100CK41A	10PF 1608 50V 5% R/TP NP0	C333	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C3045	0CC100CK41A	10PF 1608 50V 5% R/TP NP0	C335	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C3046	0CC100CK41A	10PF 1608 50V 5% R/TP NP0	C337	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C3047	0CC100CK41A	10PF 1608 50V 5% R/TP NP0	C338	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C305	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C339	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C306	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C340	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C307	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C341	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C3070	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R	C342	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C3070	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R	C343	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C3070	0CC050CK11A	5PF 1608 50V 0.5 PF R/TP NP0	C344	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C3071	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R	C345	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C3071	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R	C346	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C3071	0CC050CK11A	5PF 1608 50V 0.5 PF R/TP NP0	C347	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C3074	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C348	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C3075	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C348	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
C3076	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C349	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C3077	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C349	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C3078	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C350	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C3079	0CK226FF67A	22UF 3225 16V 20% X5R R/TP	C350	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C308	0CE106WFKDC	10UF MVK 16V 20%,-20%	C351	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C3080	0CK226FF67A	22UF 3225 16V 20% X5R R/TP	C351	0CC470CK41A	47PF 1608 50V 5% R/TP NP0
C3081	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C352	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C309	0CE686SJ6D8	68UF MVG,MC,VC 35V 20%	C352	0CC470CK41A	47PF 1608 50V 5% R/TP NP0
C311	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C353	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C312	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C354	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C312	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C355	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C313	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C356	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C314	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C357	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C315	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C358	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C316	0CK334CF94A	0.33UF 1608 16V 80%,-20% F(Y5V) R/TP	C359	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C316	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C360	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C317	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C361	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C317	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C362	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
C319	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C363	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C320	0CE686SJ6D8	68UF MVG,MC,VC 35V 20%	C364	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C321	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C366	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C322	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C367	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C322	0CK473CH56A	0.047UF 1608 25V 10% R/TP X7R	C368	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C323	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0	C369	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C325	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C370	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C326	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C371	0CE686SJ6D8	68UF MVG,MC,VC 35V 20%
C326	0CC221CK41A	220PF 1608 50V 5% R/TP NP0	C372	0CE686SJ6D8	68UF MVG,MC,VC 35V 20%
C327	0CC221CK41A	220PF 1608 50V 5% R/TP NP0	C373	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C401	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C465	0CK474EK66A	0.47UF 3216 50V 20% X7R R/TP
C401	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C465	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C402	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C466	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C403	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C467	0CK474EK66A	0.47UF 3216 50V 20% X7R R/TP
C404	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C467	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C404	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C468	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C405	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C468	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C406	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0	C469	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C407	0CC101CK41A	100PF 1608 50V 5% R/TP NP0	C470	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C408	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C470	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C409	0CK105CF94A	1UF 1608 16V 80%,-20% R/TP F(Y5V)	C471	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C410	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C472	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C411	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C473	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C412	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C473	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C413	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C474	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C414	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C474	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C415	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C475	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C416	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C476	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C417	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0	C477	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C418	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C479	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C419	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C480	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C421	0CK105CF94A	1UF 1608 16V 80%,-20% R/TP F(Y5V)	C481	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C422	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C482	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C423	0CK105CF94A	1UF 1608 16V 80%,-20% R/TP F(Y5V)	C501	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C426	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C502	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C428	0CE106SK6DC	10UF MVG 50V 20% SMD R/TP	C503	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C429	0CE106SK6DC	10UF MVG 50V 20% SMD R/TP	C504	0CK472CK56A	4700PF 1608 50V 10% R/TP X7R
C431	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C504	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C434	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C505	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C436	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C506	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C438	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C507	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C439	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C508	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C444	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C508	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C445	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C509	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C446	0CK333CK56A	33000PF 1608 50V 10% R/TP X7R	C509	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C447	0CK333CK56A	33000PF 1608 50V 10% R/TP X7R	C510	0CK105CF94A	1UF 1608 16V 80%,-20% R/TP F(Y5V)
C448	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C511	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C449	0CK333CK56A	33000PF 1608 50V 10% R/TP X7R	C511	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C450	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C512	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C451	0CK333CK56A	33000PF 1608 50V 10% R/TP X7R	C513	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C452	0CE337WJ6D8	330UF MVK,RC 35V 20%	C514	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C453	0CE337WJ6D8	330UF MVK,RC 35V 20%	C515	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
C454	0CE337WJ6D8	330UF MVK,RC 35V 20%	C516	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C455	0CE337WJ6D8	330UF MVK,RC 35V 20%	C517	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C460	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C517	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C461	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C518	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C461	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C518	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C462	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C519	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C463	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C520	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)
C463	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C521	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C464	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C522	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C522	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C623	0CE106WFKDC	10UF MVK 16V 20%,-20%
C523	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)	C624	0CE106WFKDC	10UF MVK 16V 20%,-20%
C524	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)	C625	0CE106WFKDC	10UF MVK 16V 20%,-20%
C525	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)	C626	0CE476WH6DC	47UF MVK 25V 20%
C526	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)	C627	0CE106WFKDC	10UF MVK 16V 20%,-20%
C526	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C627	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C527	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C628	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C528	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C629	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C528	0CE106WFKDC	10UF MVK 16V 20%,-20%	C629	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C529	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C630	0CE106WFKDC	10UF MVK 16V 20%,-20%
C529	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C631	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C530	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C631	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C530	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C632	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C531	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C632	0CE106WFKDC	10UF MVK 16V 20%,-20%
C531	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C633	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C532	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C633	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C532	0CE105WK6DC	1UF MVK 50V 20% R/TP(SMD) SMD	C634	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C533	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C634	0CE106WFKDC	10UF MVK 16V 20%,-20%
C534	0CC220CK41A	22PF 1608 50V 5% R/TP NP0	C635	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C534	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C635	0CE106WFKDC	10UF MVK 16V 20%,-20%
C535	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C636	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C535	0CC220CK41A	22PF 1608 50V 5% R/TP NP0	C636	0CE106WFKDC	10UF MVK 16V 20%,-20%
C536	0CE106WFKDC	10UF MVK 16V 20%,-20%	C637	0CE106WFKDC	10UF MVK 16V 20%,-20%
C537	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C637	0CE106WFKDC	10UF MVK 16V 20%,-20%
C537	0CC100CK41A	10PF 1608 50V 5% R/TP NP0	C638	0CE106WFKDC	10UF MVK 16V 20%,-20%
C538	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C639	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C538	0CC270CK41A	27PF 1608 50V 5% R/TP NP0	C639	0CE106WFKDC	10UF MVK 16V 20%,-20%
C539	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C640	0CC470CK41A	47PF 1608 50V 5% R/TP NP0
C540	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C644	0CK473CH56A	0.047UF 1608 25V 10% R/TP X7R
C541	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C645	0CK473CH56A	0.047UF 1608 25V 10% R/TP X7R
C542	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C646	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C543	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C647	0CK473CH56A	0.047UF 1608 25V 10% R/TP X7R
C544	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C648	0CK473CH56A	0.047UF 1608 25V 10% R/TP X7R
C601	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C649	0CK473CH56A	0.047UF 1608 25V 10% R/TP X7R
C601	0CE106WFKDC	10UF MVK 16V 20%,-20%	C650	0CK473CH56A	0.047UF 1608 25V 10% R/TP X7R
C602	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C650	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
C603	0CC101CK41A	100PF 1608 50V 5% R/TP NP0	C651	0CC220CK41A	22PF 1608 50V 5% R/TP NP0
C604	0CC101CK41A	100PF 1608 50V 5% R/TP NP0	C652	0CC220CK41A	22PF 1608 50V 5% R/TP NP0
C607	0CC220CK41A	22PF 1608 50V 5% R/TP NP0	C653	0CE106WFKDC	10UF MVK 16V 20%,-20%
C608	0CC220CK41A	22PF 1608 50V 5% R/TP NP0	C654	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C608	0CE106WFKDC	10UF MVK 16V 20%,-20%	C655	0CE106WFKDC	10UF MVK 16V 20%,-20%
C611	0CC471CK41A	470PF 1608 50V 5% R/TP NP0	C656	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C612	0CC471CK41A	470PF 1608 50V 5% R/TP NP0	C657	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C613	0CE106WFKDC	10UF MVK 16V 20%,-20%	C658	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C614	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)	C659	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C615	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)	C666	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C616	0CC471CK41A	470PF 1608 50V 5% R/TP NP0	C667	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C617	0CE106WFKDC	10UF MVK 16V 20%,-20%	C668	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C619	0CE106WFKDC	10UF MVK 16V 20%,-20%	C672	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C621	0CE106WFKDC	10UF MVK 16V 20%,-20%	C7001	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C623	0CE106WFKDC	10UF MVK 16V 20%,-20%	C7002	0CE106WFKDC	10UF MVK 16V 20%,-20%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C7003	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP F(Y5V)	C813	0CE106WFKDC	10UF MVK 16V 20%,-20%
C7005	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C815	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C7006	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C817	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7R
C7007	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C822	0CE106WFKDC	10UF MVK 16V 20%,-20%
C702	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C828	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C7028	0CC180CK41A	18PF 1608 50V 5% R/TP NP0	C838	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C7029	0CC180CK41A	18PF 1608 50V 5% R/TP NP0	C840	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C703	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C842	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C7043	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C844	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C7046	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C9006	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C7048	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C901	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C7049	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C9015	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C7052	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C9016	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C7053	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C9017	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C7054	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C902	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C708	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C903	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C709	0CE106WFKDC	10UF MVK 16V 20%,-20%	C904	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C711	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C905	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C718	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C906	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C719	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C907	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C720	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C908	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C725	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C909	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C729	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C910	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C730	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C911	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C731	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C912	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C732	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C913	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C733	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C914	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C734	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C915	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C735	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C916	0CE106WFKDC	10UF MVK 16V 20%,-20%
C737	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C917	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C758	0CC180CK41A	18PF 1608 50V 5% R/TP NP0	C918	0CE106WFKDC	10UF MVK 16V 20%,-20%
C759	0CC180CK41A	18PF 1608 50V 5% R/TP NP0	C919	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C773	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C920	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C774	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD) SMD	C929	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C779	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C931	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C780	0CE106WFKDC	10UF MVK 16V 20%,-20%	C932	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C781	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C933	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C784	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C934	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C789	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R	C935	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C794	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C936	0CE477WF6DC	470UF MVK 16V 20%
C797	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C936	0CE337WJ6D8	330UF MVK,RC 35V 20%
C798	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C937	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C799	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C938	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C801	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C940	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C802	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C941	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C803	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C942	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C804	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C943	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C806	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C944	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C807	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C945	0CE477WF6DC	470UF MVK 16V 20%
C808	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R	C945	0CE337WJ6D8	330UF MVK,RC 35V 20%
C810	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C946	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C957	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
C960	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
R1334	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
COIL		
L1601	6140VB0004B	COIL,CHOKE 26UH
L1602	6140VB0004B	COIL,CHOKE 26UH
L302	6140VB0004B	COIL,CHOKE 26UH
L303	6140VB0004B	COIL,CHOKE 26UH
L304	6140VB0004B	COIL,CHOKE 26UH
L306	6140VB0004B	COIL,CHOKE 26UH
L408	61409B0008A	COIL,CHOKE DBF-1310S 10UH 15%
L409	61409B0008A	COIL,CHOKE DBF-1310S 10UH 15%
L410	61409B0008A	COIL,CHOKE DBF-1310S 10UH 15%
L411	61409B0008A	COIL,CHOKE DBF-1310S 10UH 15%
WAFER		
C24	366-036B	CONNECTOR,WAFER STAPLE
P100	6602T20009C	CONNECTOR,WAFER SMAW200-04
P100	6602T20009J	CONNECTOR,WAFER SMAW200-10
P100	6602T20009L	CONNECTOR,WAFER SMAW200-12
P100	6630V90142A	CONNECTOR,WAFER TPH254-R-1419-6A
P101	6602T20009C	CONNECTOR,WAFER SMAW200-04
P104	6602T20009L	CONNECTOR,WAFER SMAW200-12
P1100	366-921D	WAFER,IL-G-05 LGC 2.5MM S/T
P1101	366-921D	WAFER,IL-G-05 LGC 2.5MM S/T
P1200	6630VE01269	CONNECTOR,WAFER 91932-31169LF
P1601	6602Q39005A	CONNECTOR,WAFER 3.96MM 4PIN
P1603	6602T25008L	CONNECTOR,WAFER SMW250-12
P1604	6602T25008M	WAFER,SMW250-13
P1605	366-932E	CONNECTOR,WAFER 6PIN 2.54MM
P1606	366-932B	CONNECTOR,WAFER IL-G-03P
P1609	366-932B	CONNECTOR,WAFER IL-G-03P
P1610	6630VE00731	CONNECTOR,WAFER 10022HS-31A02
P1611	6630VE00731	CONNECTOR,WAFER 10022HS-31A02
P1612	6630VE00731	CONNECTOR,WAFER 10022HS-31A02
P300	366-932E	CONNECTOR,WAFER 6PIN 2.54MM
P301	6602T25009J	WAFER, SMAW250-10
P403	6602T25009C	WAFER, SMAW250-04
P404	6602T25009B	CONNECTOR,WAFER SMAW250-03
P602	6602T20009J	CONNECTOR,WAFER SMAW200-10
P605	6602T20009J	CONNECTOR,WAFER SMAW200-10
P801	6602T12007D	CONNECTOR,WAFER GT121-31P-TD
CONNECTOR		
C10	6631900097D	CONNECTOR ASSEMBLY,3P 2.5MM 350MM
C11	6631900098D	CONNECTOR ASSEMBLY,4P 2.5MM 350MM
C12	6631900012J	CONNECTOR ASSEMBLY,10P 2.5MM 500MM
C13	6631900027G	CONNECTOR ASSEMBLY,13P 2.5MM 400MM
C14	6631900065C	CONNECTOR ASSEMBLY,12P 2.5MM 350MM
C15	6631900099B	CONNECTOR ASSEMBLY,3P 2.5MM 500MM

LOCA. NO	PART NO	DESCRIPTION
C16	6631900100C	CONNECTOR ASSEMBLY,4P 2.5MM 1200MM
C17	6631900101D	CONNECTOR ASSEMBLY,10P 2.0MM 400MM
C18	6631900104A	CONNECTOR ASSEMBLY,12P 2.0MM 400MM
C19	6631V10004A	CONNECTOR ASSEMBLY,31P 1.0MM 80MM
C20	6631V10004Z	CONNECTOR ASSEMBLY,31P 1.0MM 50MM
C21	6631V25032G	CONNECTOR ASSEMBLY,3P 2.5MM 400MM
C22	6631V39015E	CONNECTOR ASSEMBLY,4P 3.96MM 300MM
C23	6631V39016E	CONNECTOR ASSEMBLY,10P 3.96MM 300MM
C7	6631900105C	CONNECTOR ASSEMBLY,12P 2.0MM 700MM
C8	6631T20033J	CONNECTOR ASSEMBLY,4P-4P H-H 300MM
C9	6631900106C	CONNECTOR ASSEMBLY,10P 2.0MM 900MM
CN300	6630G70017A	CONNECTOR,D-SUB A02-0915-101
J601	6630G70016A	CONNECTOR,D-SUB A03-7071-094
P1000	6630U60039A	CONNECTOR,TERMINAL 184-0207100-71
P101	6630X60151A	CONNECTOR,FFC/FPC 10008HR-31L
P102	6630X60151A	CONNECTOR,FFC/FPC 10008HR-31L
P103	6630X60151A	CONNECTOR,FFC/FPC 10008HR-31L
P1613	6630CE00168	CONNECTOR,CARD BUS 10003526-150CALF
JACK		
J100	6612J10033A	JACK,RCA PMJ016-13 3P
J101	6612J00062N	JACK,RCA PMJ030-02 6P
J601	6612B00015B	JACK,DIN DC1R019WDH JAE 0.5MM
J602	6612B00015B	JACK,DIN DC1R019WDH JAE 0.5MM
J602	6612J10031A	JACK,RCA PPJ209-02 PARK 5P
J603	6612J10031A	JACK,RCA PPJ209-02 PARK 5P
J604	6612F00099A	JACK,PHONE PEJ024-01 PARK 7P
J605	6612F00099A	JACK,PHONE PEJ024-01 PARK 7P
JK100	6612BBBHN4D	JACK,DIN TOTX177
RESISTOR		
AR1300	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1302	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1304	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR400	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR401	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR402	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR403	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR404	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR405	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR406	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR407	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR408	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR601	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR602	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR603	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR604	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR605	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR606	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR607	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR608	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
AR701	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1002	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR702	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1004	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR703	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1100	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR704	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1200	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR708	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1201	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR709	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1300	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR801	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1301	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR802	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1302	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR803	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1303	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR804	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1308	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR805	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1311	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR806	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1312	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR807	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1315	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR808	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1316	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR809	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1317	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR900	0RHZTCZ001D	RCA SMART 22OHM 1/16 W 5%	L1318	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR901	0RHZTCZ001D	RCA SMART 22OHM 1/16 W 5%	L1319	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR902	0RHZTCZ001D	RCA SMART 22OHM 1/16 W 5%	L1325	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR903	0RHZTCZ001D	RCA SMART 22OHM 1/16 W 5%	L1326	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR904	0RHZTCZ001D	RCA SMART 22OHM 1/16 W 5%	L1327	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR905	0RHZTCZ001D	RCA SMART 22OHM 1/16 W 5%	L1605	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR906	0RHZTCZ001D	RCA SMART 22OHM 1/16 W 5%	L1606	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR907	0RHZTCZ001D	RCA SMART 22OHM 1/16 W 5%	L301	6200J000013	FILTER,EMC MLB-321611-0500P-N2
AR908	0RHZTCZ001D	RCA SMART 22OHM 1/16 W 5%	L301	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
AR909	0RHZTCZ001D	RCA SMART 22OHM 1/16 W 5%	L305	6200J000013	FILTER,EMC MLB-321611-0500P-N2
AR910	0RHZTCZ001D	RCA SMART 22OHM 1/16 W 5%	L308	6200J000013	FILTER,EMC MLB-321611-0500P-N2
AR919	0RHZTCZ001D	RCA SMART 22OHM 1/16 W 5%	L309	6200J000013	FILTER,EMC MLB-321611-0500P-N2
AR920	0RHZTCZ001D	RCA SMART 22OHM 1/16 W 5%	L310	6200J000013	FILTER,EMC MLB-321611-0500P-N2
AR921	0RHZTCZ001D	RCA SMART 22OHM 1/16 W 5%	L311	6200J000013	FILTER,EMC MLB-321611-0500P-N2
R1302	ORD0331H609	3.3 OHM 1/2 W 5.00% TA52	L312	6200J000013	FILTER,EMC MLB-321611-0500P-N2
R1631	ORD0272H609	27 OHM 1/2 W 5.00% TA52	L313	6200J000013	FILTER,EMC MLB-321611-0500P-N2
R505	ORN1002F409	10K OHM 1/6 W 1.00% TA52	L315	6200J000013	FILTER,EMC MLB-321611-0500P-N2
SWITCH			L316	6200J000013	FILTER,EMC MLB-321611-0500P-N2
SW101	140-313B	SWITCH,TACT 2LEAD 160G(TA)	L401	6200J000013	FILTER,EMC MLB-321611-0500P-N2
SW102	140-313B	SWITCH,TACT 2LEAD 160G(TA)	L401	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
SW103	140-313B	SWITCH,TACT 2LEAD 160G(TA)	L402	6200J000013	FILTER,EMC MLB-321611-0500P-N2
SW104	140-313B	SWITCH,TACT 2LEAD 160G(TA)	L402	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
SW105	140-313B	SWITCH,TACT 2LEAD 160G(TA)	L403	6200J000013	FILTER,EMC MLB-321611-0500P-N2
SW106	140-313B	SWITCH,TACT 2LEAD 160G(TA)	L403	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
SW107	140-313B	SWITCH,TACT 2LEAD 160G(TA)	L404	6200J000013	FILTER,EMC MLB-321611-0500P-N2
SW108	140-313B	SWITCH,TACT 2LEAD 160G(TA)	L404	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
SW300	6600VR1004A	SWITCH,TACT SKHMPW 5P	L413	6210TCE001S	FILTER,EMC HU-1M2012-121
SW301	6600VR1004A	SWITCH,TACT SKHMPW 5P	L414	6210TCE001S	FILTER,EMC HU-1M2012-121
FILTER & CRYSTAL			L415	6210TCE001S	FILTER,EMC HU-1M2012-121
B116	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	L416	6210TCE001S	FILTER,EMC HU-1M2012-121
B200	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	L417	6210TCE001S	FILTER,EMC HU-1M2012-121
B201	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	L418	6210TCE001S	FILTER,EMC HU-1M2012-121
B202	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	L419	6210TCE001S	FILTER,EMC HU-1M2012-121
B203	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	L420	6210TCE001S	FILTER,EMC HU-1M2012-121
			L501	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
			L503	6200J000013	FILTER,EMC MLB-321611-0500P-N2

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
L503	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	C4	6851V00022D	CABLE,COAXIAL UL1365#26 VW-1 250MM
L504	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	IC01	692791110AF	SOFT WARE,3.01.0V DA81 PDP PA61A
L601	6200J000013	FILTER,EMC MLB-321611-0500P-N2	IC02	692791111AF	SOFT WARE,3.01.0V D375 PDP PA61A
L601	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	IC03	692791112AD	SOFT WARE,3.01V 5B75 PDP PA61A
L602	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	IC04	692791113AD	SOFT WARE,3.01V 3E0C PDP PA61A
L603	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	IC504	692791130AC	SOFT WARE,2.02V 5513 PDP PA62A
L604	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	P1002	6871VSMFA8A	PCB ASSEMBLY,SUB A/V OPTIC BD
L605	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	PA101	6712000011B	REMOTE CONTROLLER RECEIVER
L606	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	TU1300	6700AB0001A	TUNER,TDVM-H751P
L607	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	TU1302	6700NF0024A	TUNER,ENG36A54GF
L608	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	TU2	6634D00016A	ADAPTER,RF TASA-H401F
L611	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	VR601	6102W5V016A	VARIATOR,AVRL161A1R1NT
L612	6200J000013	FILTER,EMC MLB-321611-0500P-N2	VR602	6102W5V016A	VARIATOR,AVRL161A1R1NT
L612	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	VR603	6102W5V016A	VARIATOR,AVRL161A1R1NT
L616	6200J000013	FILTER,EMC MLB-321611-0500P-N2	VR604	6102W5V016A	VARIATOR,AVRL161A1R1NT
L701	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	X200	6204B48360A	OSCILLATOR,SCO-103 33.33000MHZ
L702	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	X3070	6204B47985K	OSCILLATOR,BMS-873R 25MHZ
L703	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	X3071	6204B47985K	OSCILLATOR,BMS-873R 25MHZ
L704	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	X500	6204B62705A	OSCILLATOR,27.00000MHZ
L705	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	ACCESSORIES		
L706	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	A1	38289U0512E	MANUAL,USER PA61A
L707	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	A2	6710T00017X	REMOTE CONTROLLER
L801	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	"	6710T00151Z	REMOTE CONTROLLER *LGERS
L802	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	A3	6410VUH005E	POWER CORD,LP-31+LS-13 2800MM
L803	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	A4	6850TD9007E	CABLE,D-SUB UL20276-9C(5.8MM) DT L1800
L804	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	A5	6852TAZ010F	CABLE,COAXIAL NT 1365 AWG 24 L3000MM
L805	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	A7	4972V00178A	FIXER,WALL NON ASSY
L806	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2			
L807	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2			
L900	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2			
L901	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2			
L902	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2			
L903	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2			
L904	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2			
L905	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2			
X1000	6212AB2872A	RESONATOR,CRYSTAL HC-49/SM 25.00000MHZ			
X1100	6212AB2015E	RESONATOR,CRYSTAL HC-49/SM 10.0MHZ			
X1200	6212AC2001D	RESONATOR,CRYSTAL HC-49/SM 14MHZ			
X201	6202VDT002H	RESONATOR,CRYSTAL SX-1 18.432000MHZ			
X202	6202VDT002H	RESONATOR,CRYSTAL SX-1 18.432000MHZ			
X501	6212AB3004D	RESONATOR,CRYSTAL CSALF2M69G4ZF01-A3			
X502	6212AB2015A	RESONATOR,CRYSTAL HC-49/SM4H 4MHZ			
X503	6202TST001E	CRYSTAL SX-1 24MHZ			
X601	6202TST001A	CRYSTAL SX-1 14.31818MHZ			
X701	6212AB2873A	RESONATOR,CRYSTAL HC-49/SM 24.57600MHZ			
X702	6212AB2873A	RESONATOR,CRYSTAL HC-49/SM 24.57600MHZ			
MISCELLANEOUS					
C1	6850U00002C	CABLE,USB UL2725 AWG26 200MM			
C2	6851V00080A	CABLE ASSEMBLY,1537740-1(AMP)			
C3	6850J00005C	CABLE,DVI LVDS UL20276 AWG30 600MM			

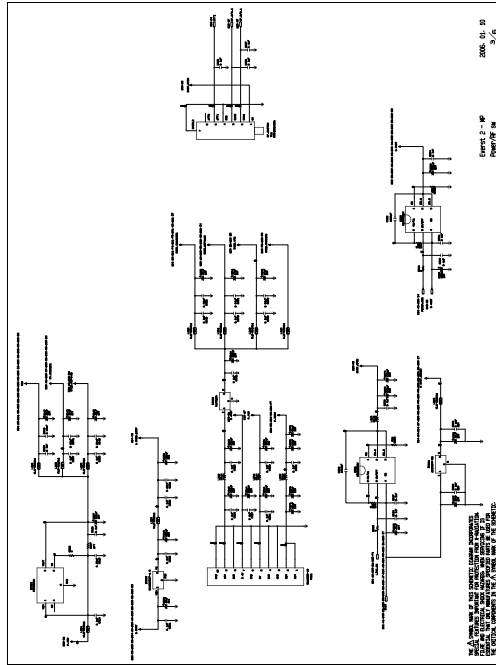
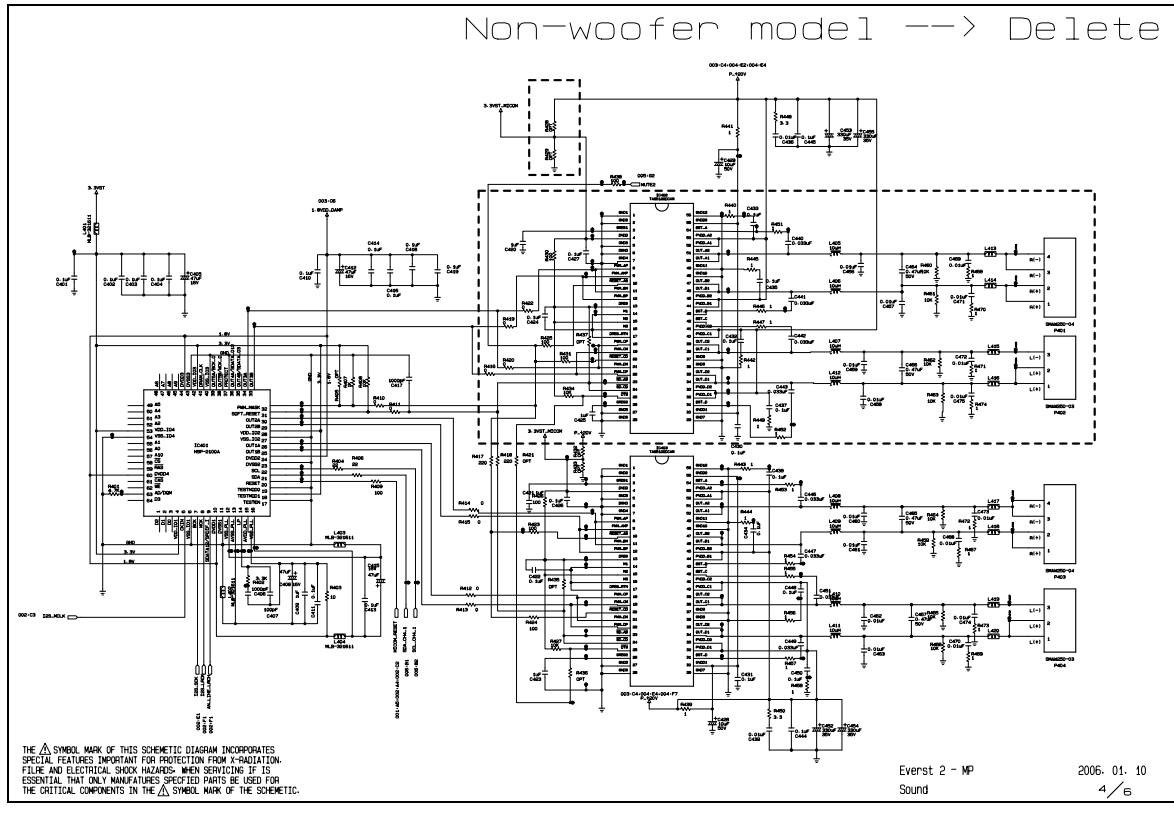
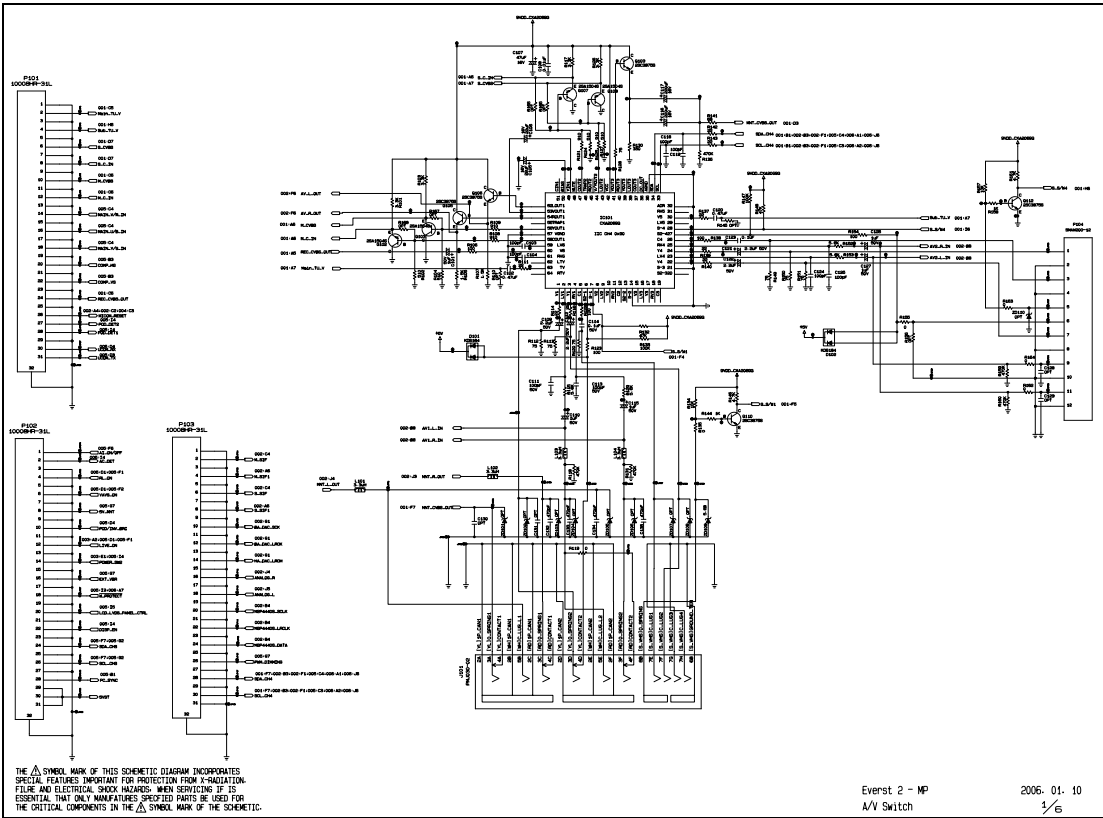
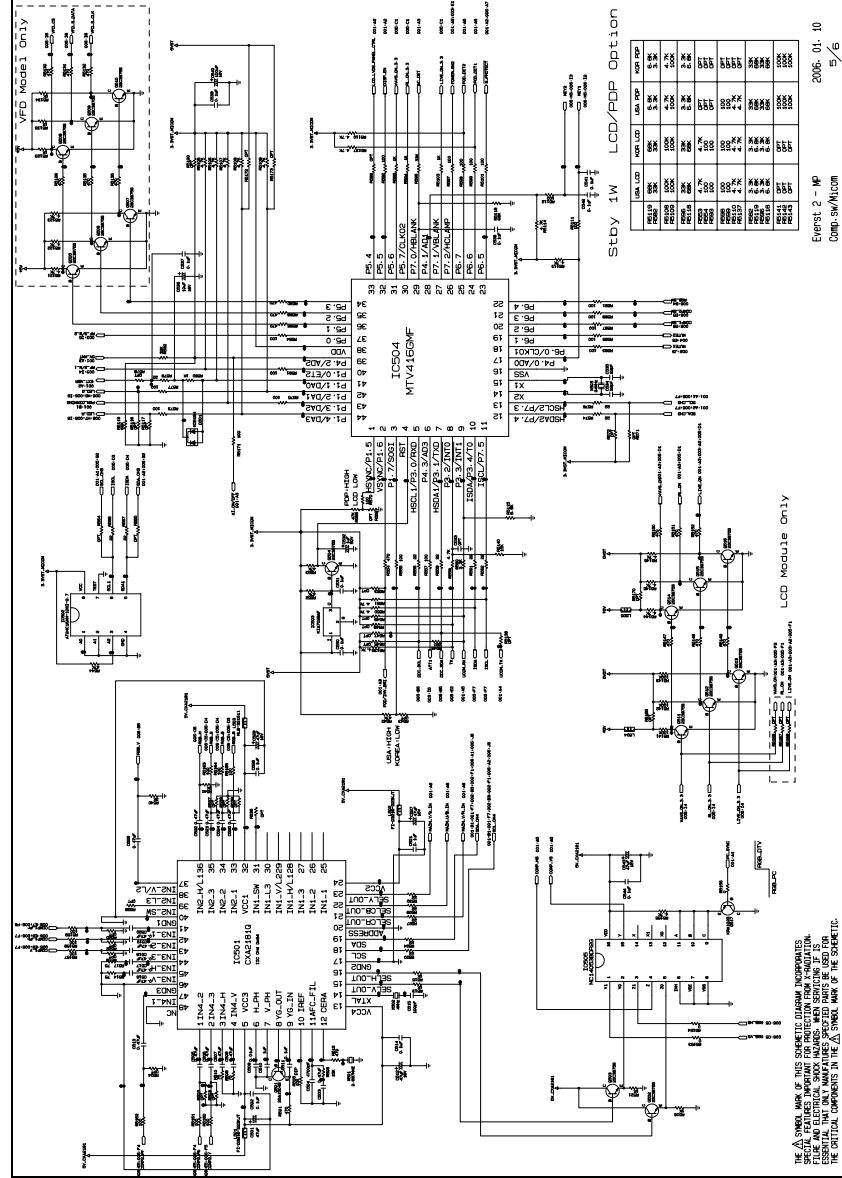
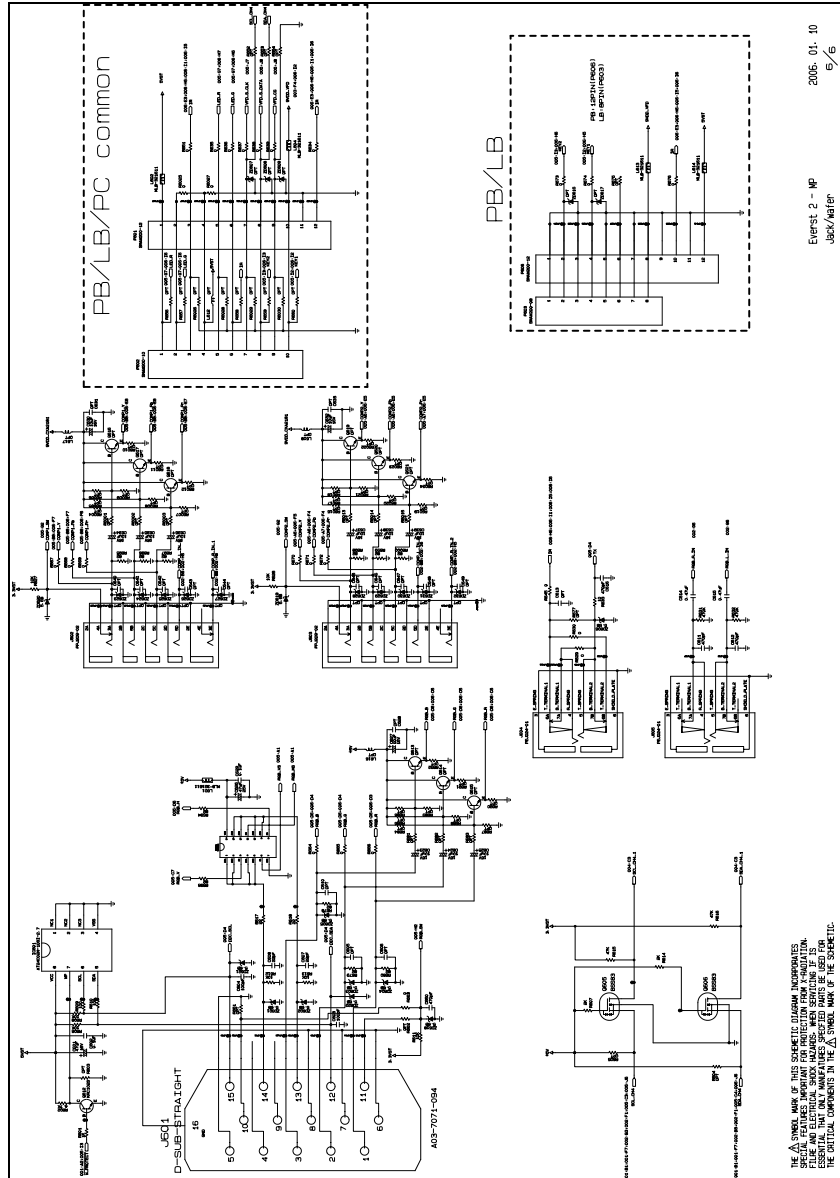
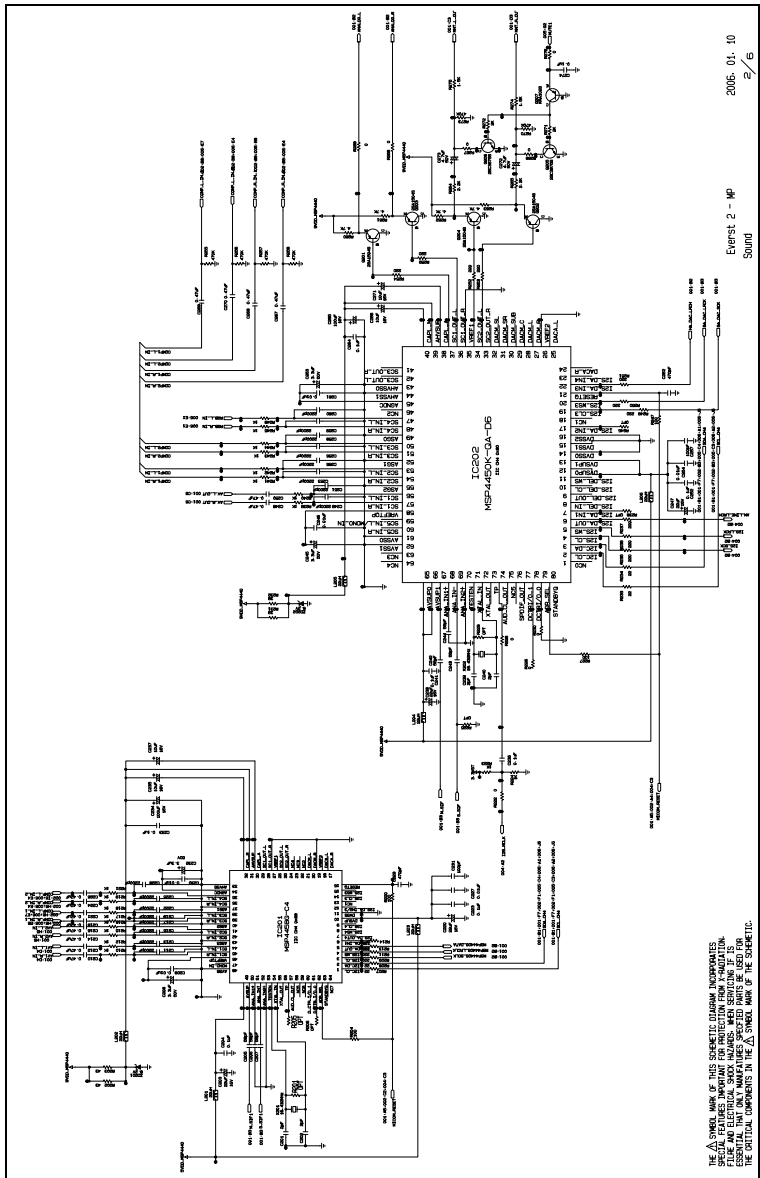


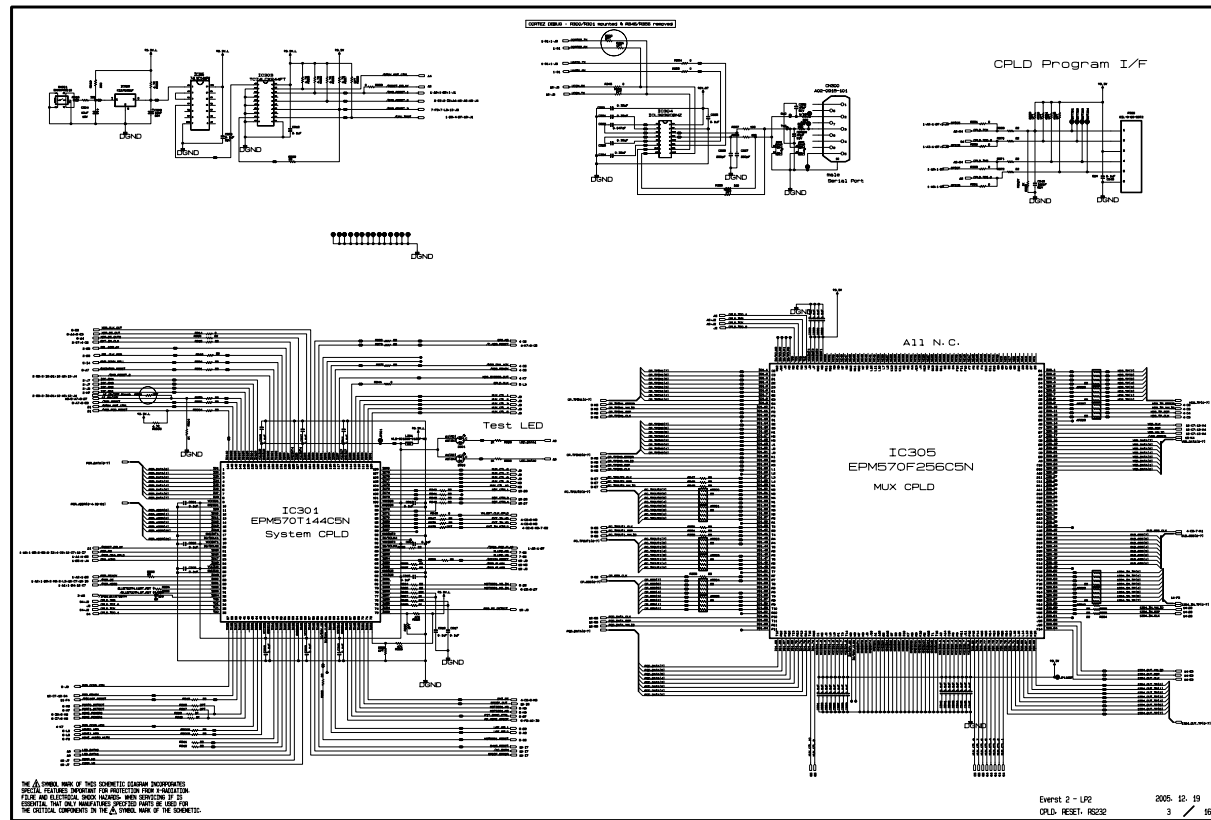
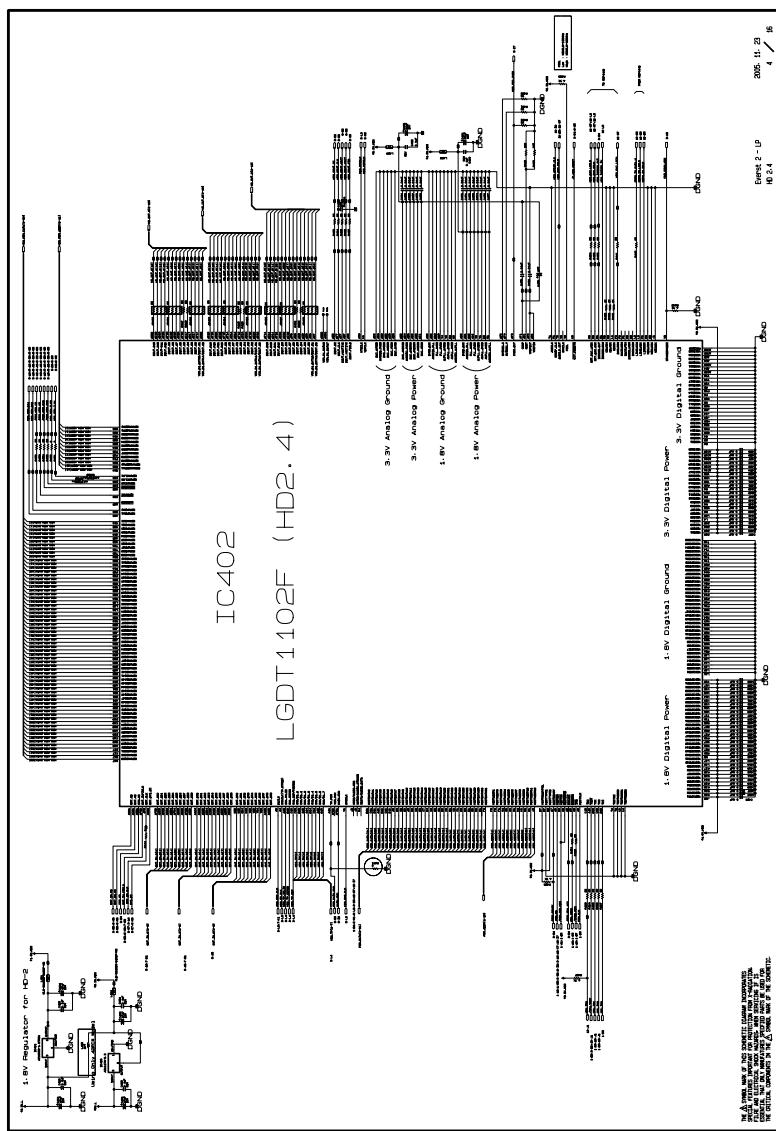
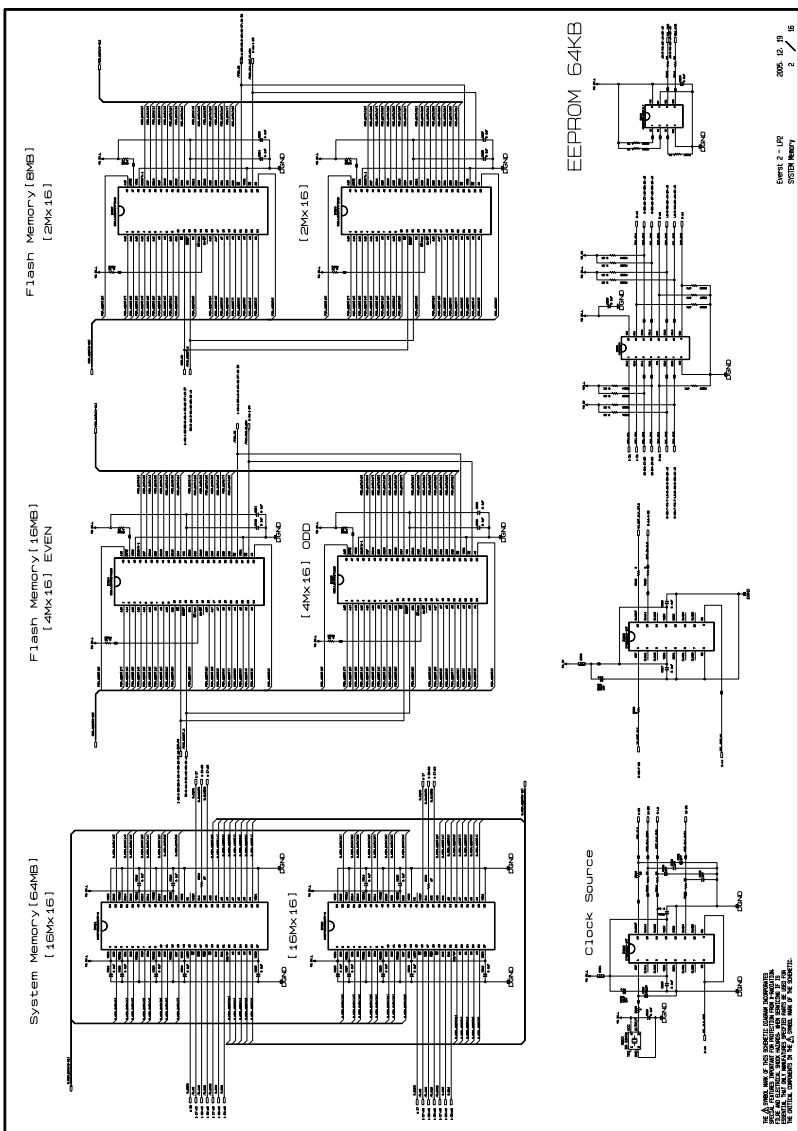
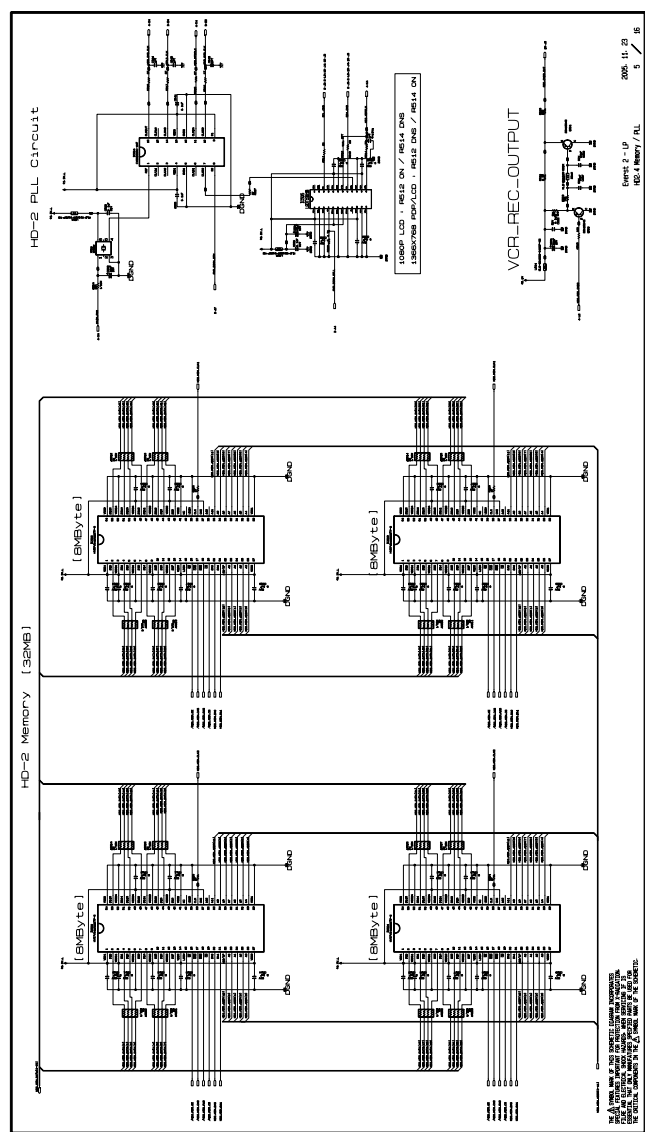
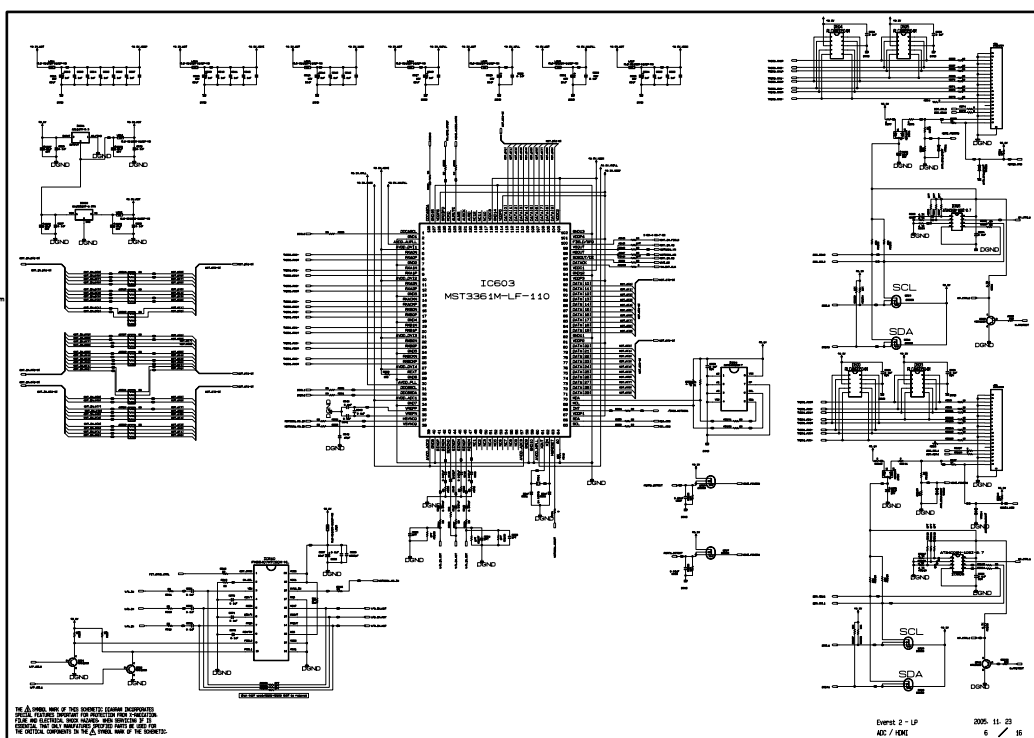
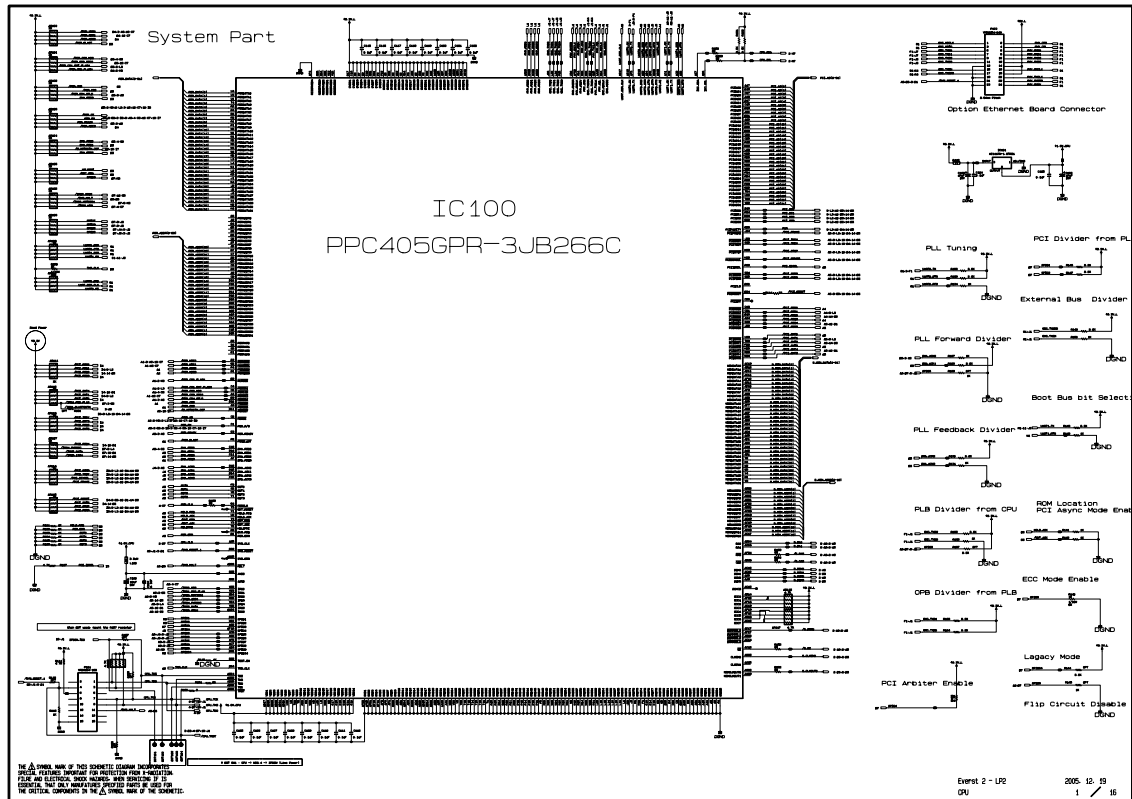
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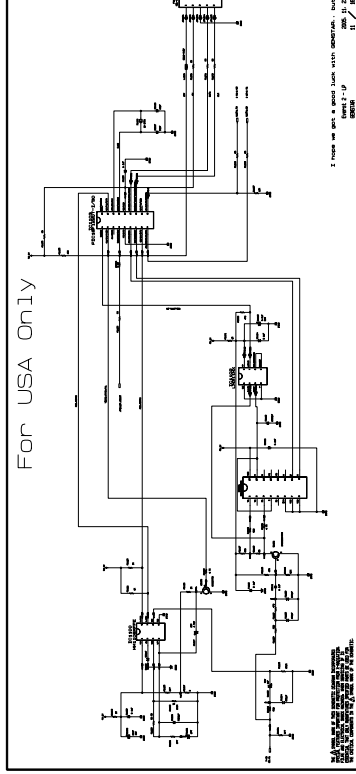
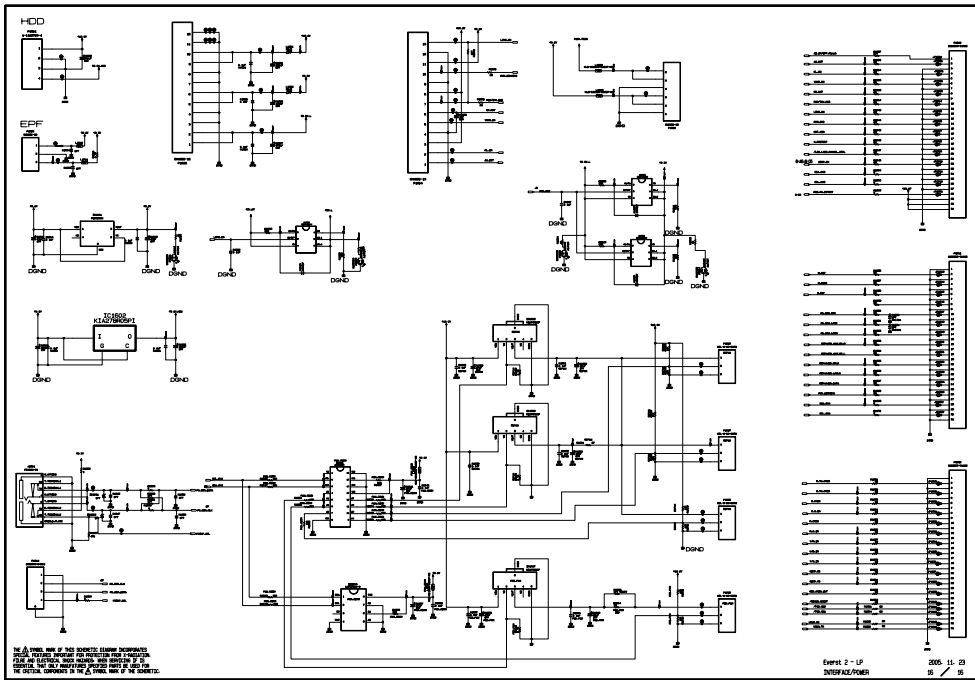
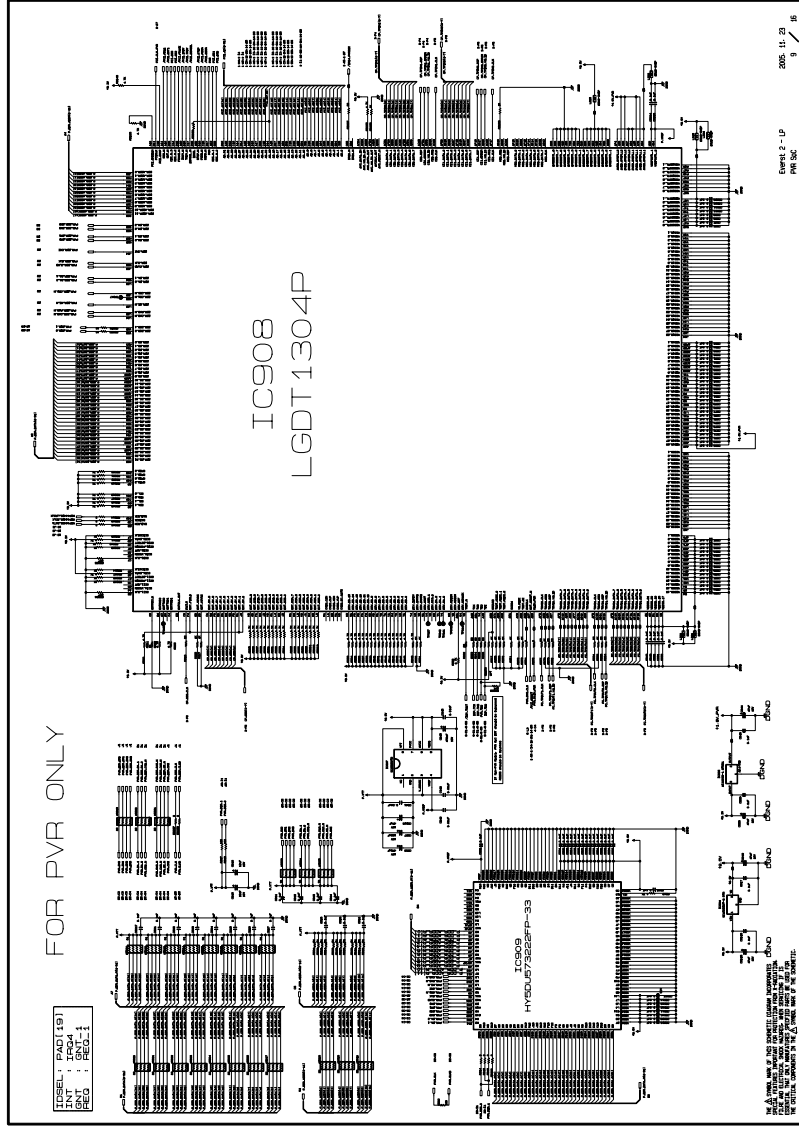
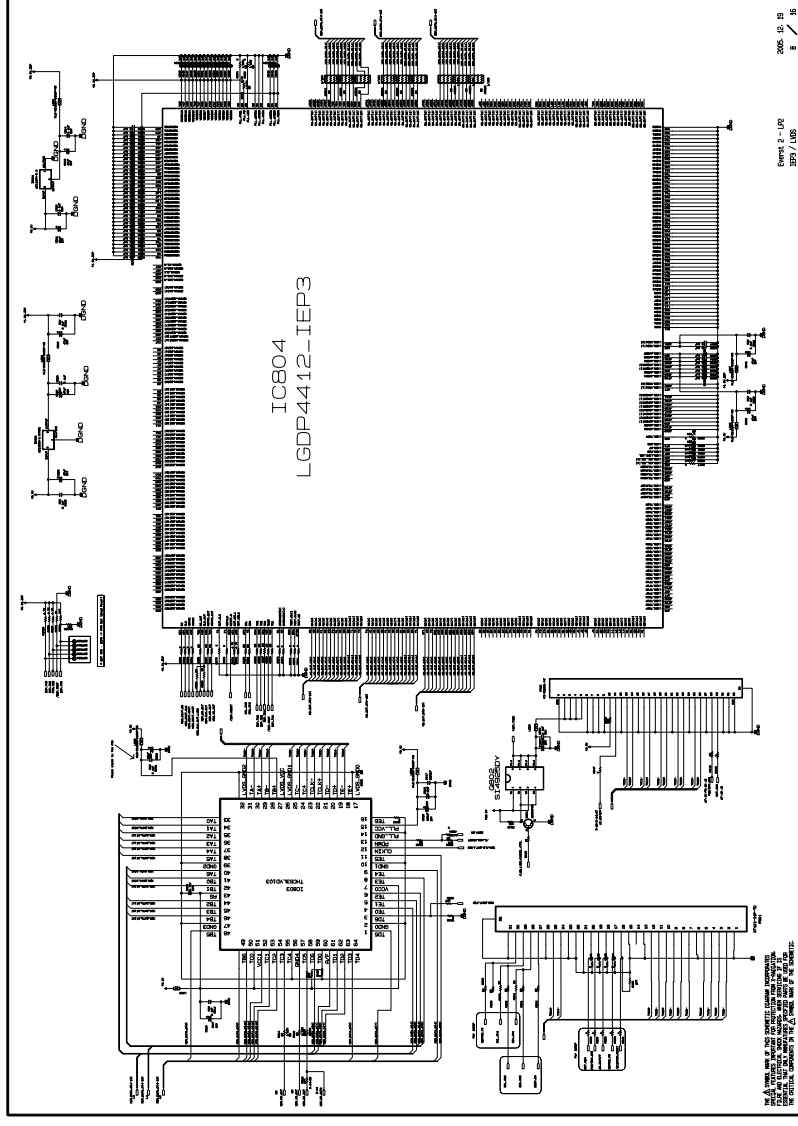
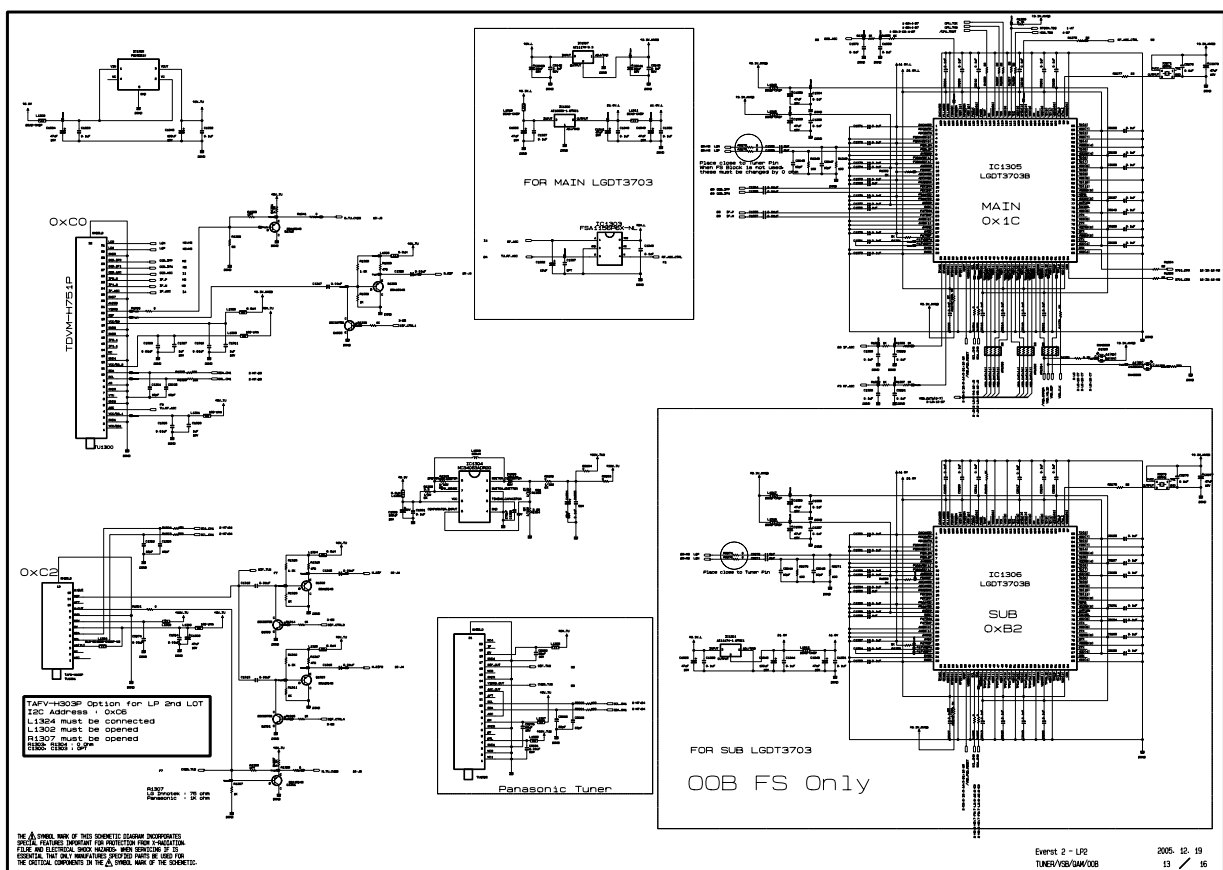
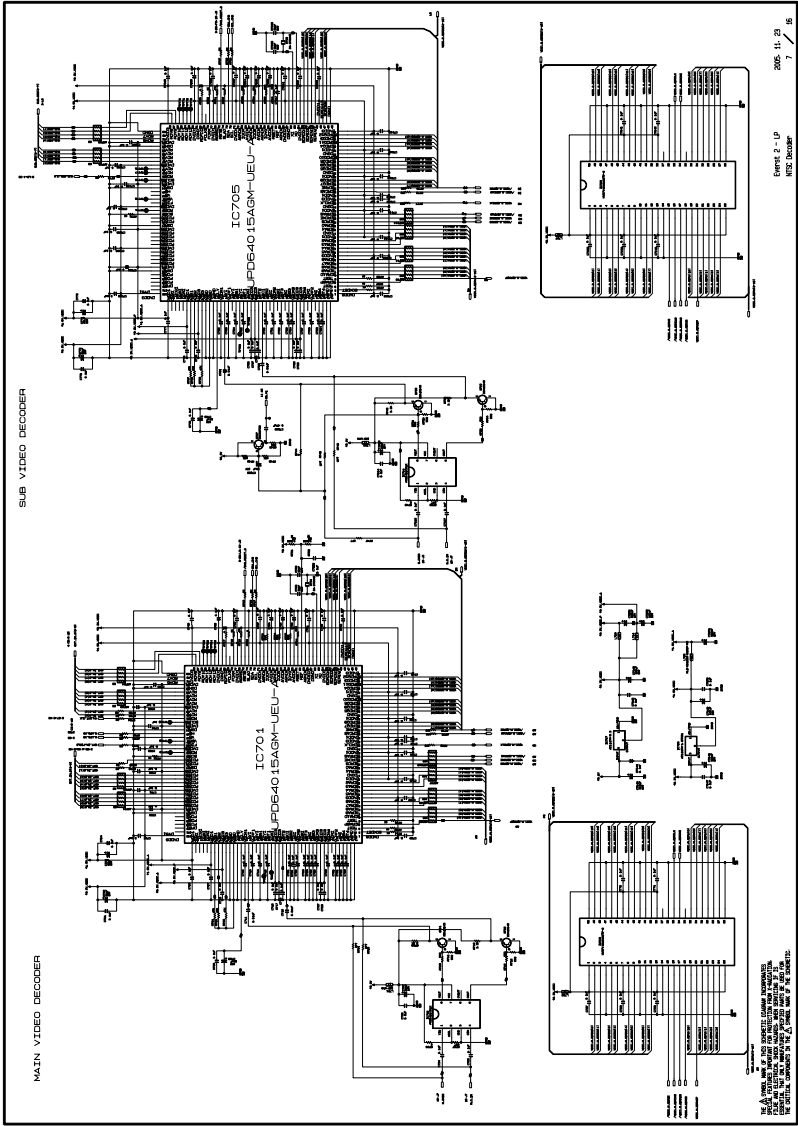
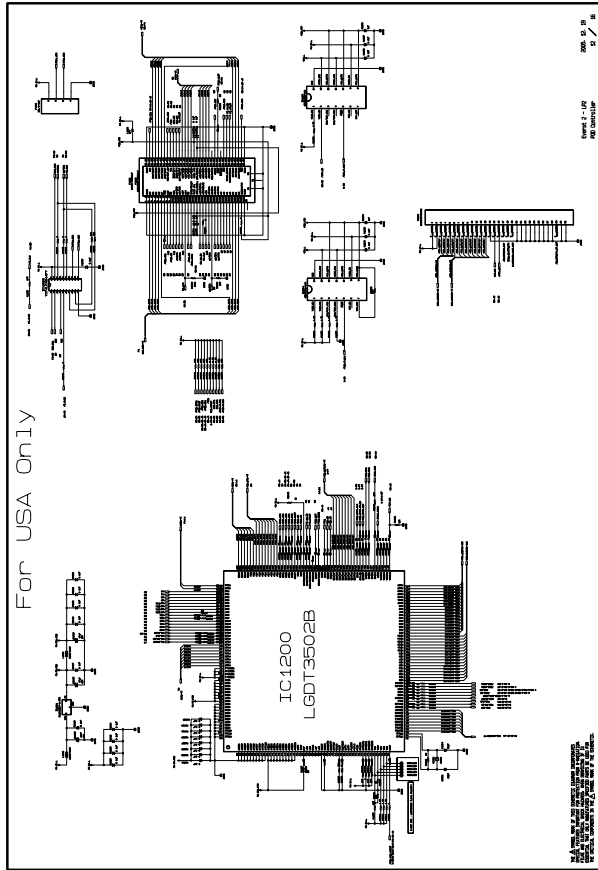
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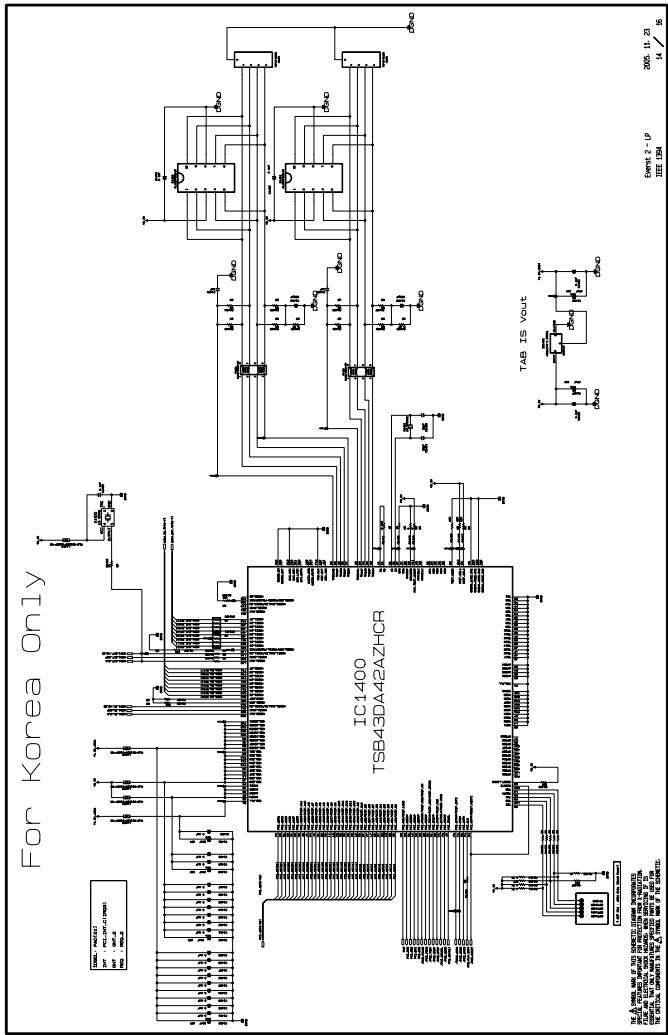
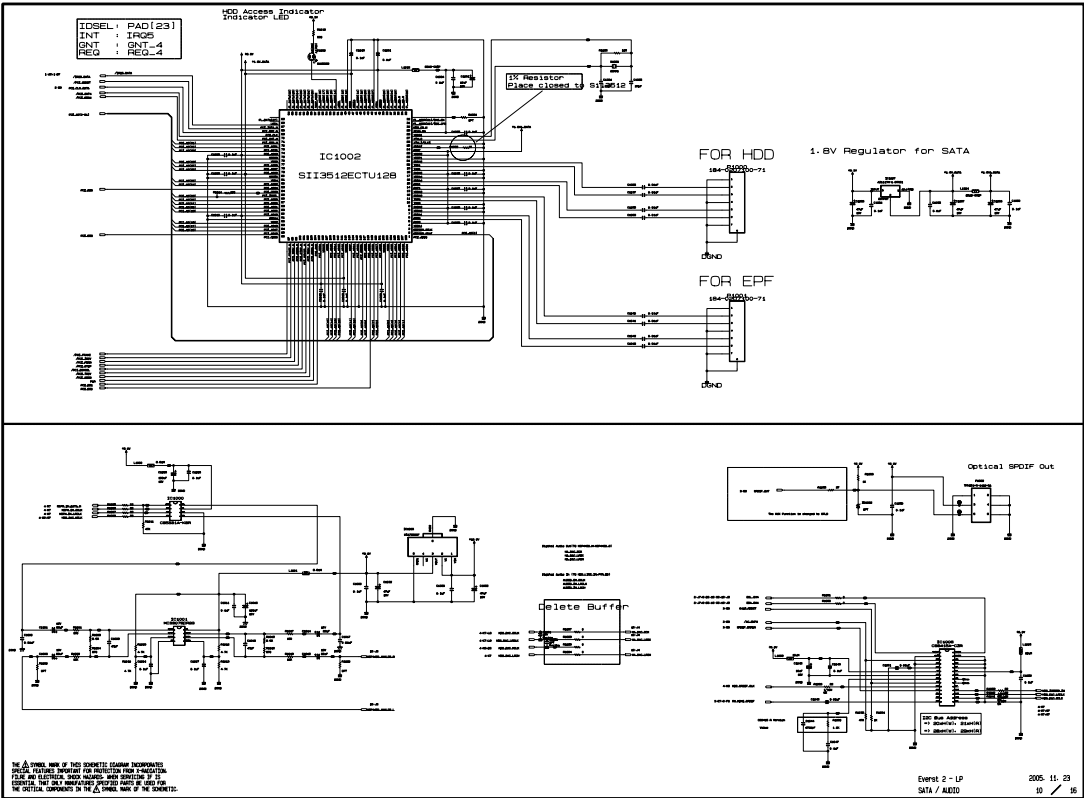
**CANADA: LG Electronics Canada, Inc. 550 Matheson
Boulevard East Mississauga, Ontario L4Z 4G3**

**USA : LG Electronics Alabama, Inc.
P.O.Box 240007, 201 James Record Road Bldg 3
Huntsville, AL 35824**

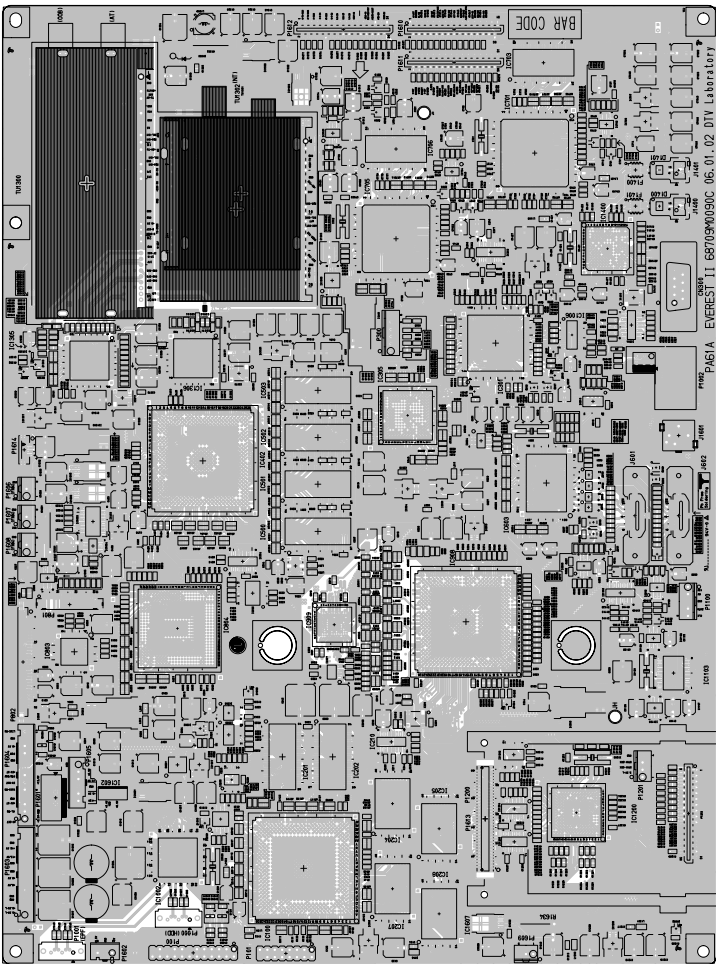




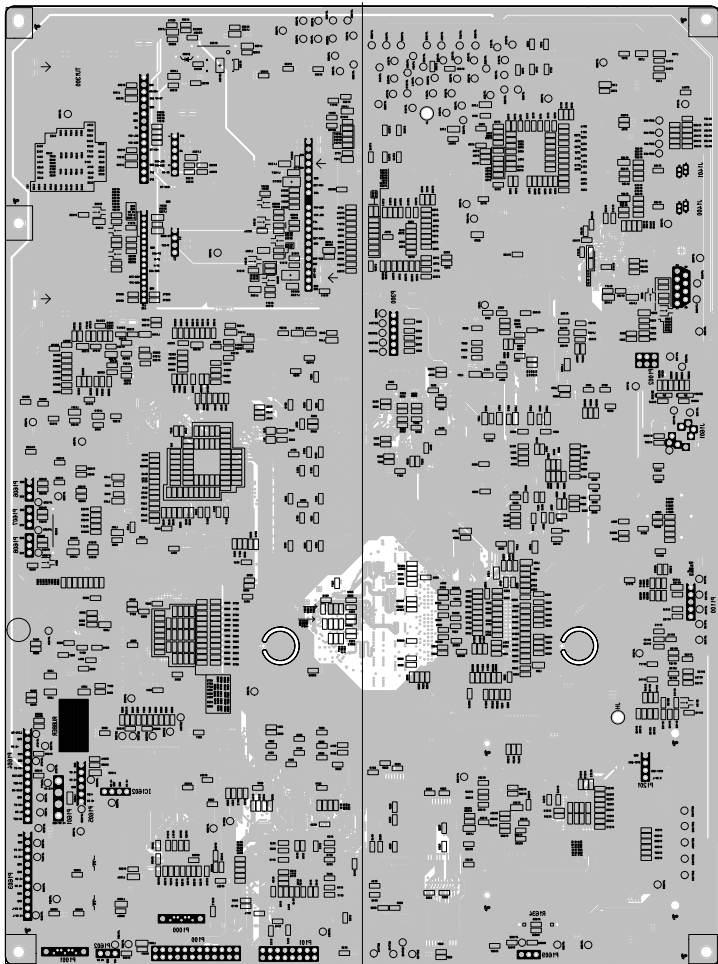




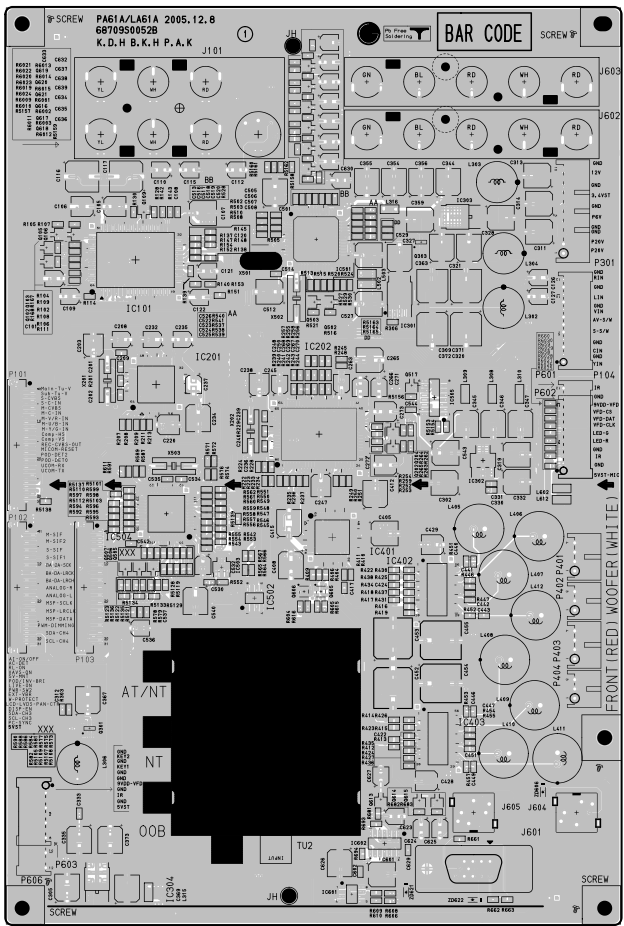
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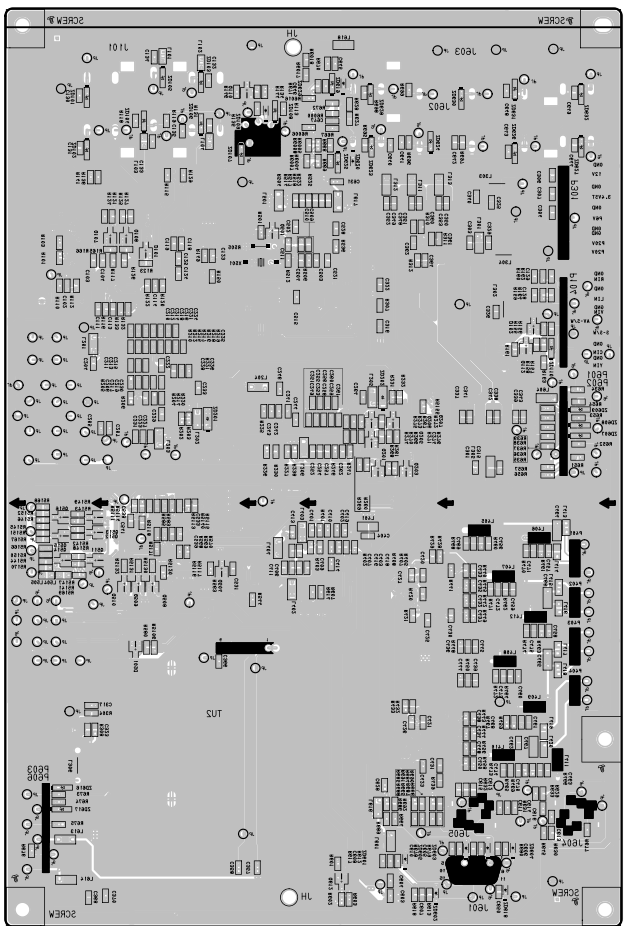
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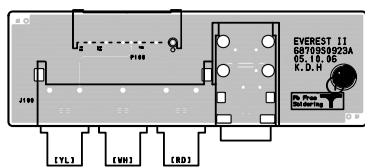
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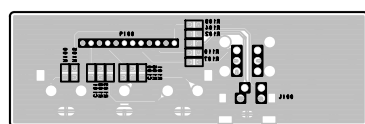
CONTROL



SIDE A/V(TOP)



SIDE A/V(BOTTOM)



PRE-AMP

